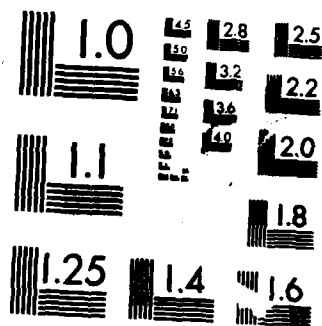


WATERBURY FINE COMMERCE OF THE UNITED STATES - JANUARY YEAR
1980 - WATERBURY FINE ENGINEER BELVOIR
JANUARY 1980 - WATERBURY SUPPORT MAY 1980 - 85-4

12-00000

22



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

AD-A186 260

1

DTIC FILE COPY

WATERBORNE COMMERCE OF THE UNITED STATES

Calendar Year 1985

DTIC
ELECTE
OCT 20 1987
S D

PART 4
WATERWAYS AND HARBORS
PACIFIC COAST, ALASKA AND HAWAII



DISTRIBUTION STATEMENT A

Approved for public release
Distribution Unlimited

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
WATER RESOURCES SUPPORT CENTER
WRSC-WCUS-85-4

87 10 7 042

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER WRSC-WCUS-85-4	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) WATERBORNE COMMERCE OF THE UNITED STATES Calendar Year 1985 Part 4 Waterways and Harbors, Pacific Coast Alaska and Hawaii		5. TYPE OF REPORT & PERIOD COVERED Annual Publication Calendar Year 1985
		6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s) Department of the Army Corps of Engineers		8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS Waterborne Commerce Statistics Center P. O. Box 61280 New Orleans, LA 70161 WRSC-CC		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS Office, Chief of Engineers, U.S. Army DAEN-CW Casimir Pulaski Bldg. 20 Mass. Ave. NW WASH, DC 20314		12. REPORT DATE May 1987
		13. NUMBER OF PAGES 140
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) Water Resources Support Center Data Collection Management Division Casey Building Fort Belvoir, VA 22060 WRSC-C		15. SECURITY CLASS. (of this report) Unclassified
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES Available from: National Information Service (NTIS) 5285 Port Royal Road Springfield, VA 22161		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Waterborne Commerce - - Statistics		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Waterborne Commerce of the United States, (WCUS), Part 4, calendar year 1985 is one of a series of 5 publications containing statistics on the commercial movement of foreign and domestic cargo. WCUS, Part 4, presents detailed data by commodity and traffic for the waterways and harbors on the Pacific Coast, Alaska, and Hawaii. The statistics include commodities given in short tons (2000 lbs.) and vessel trips for the harbors and waterways.		

DD FORM 1 JAN 73 1473

EDITION OF 1 NOV 65 IS OBSOLETE

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

WATERBORNE COMMERCE OF THE UNITED STATES

CALENDAR YEAR 1985

PART 4

WATERWAYS AND HARBORS
PACIFIC COAST, ALASKA AND HAWAII



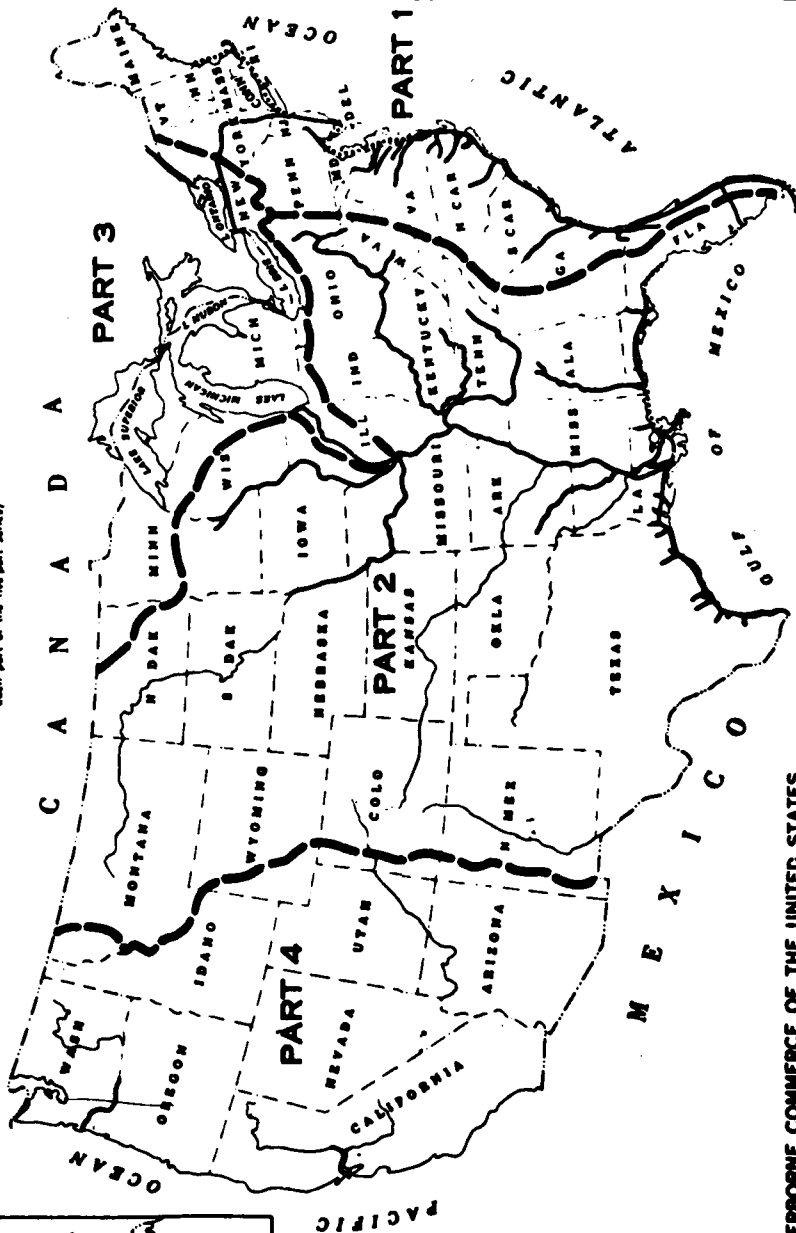
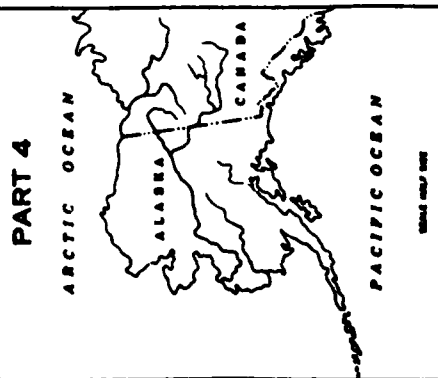
COMPILED UNDER THE SUPERVISION OF
THE WATER RESOURCES SUPPORT CENTER
U.S. ARMY CORPS OF ENGINEERS
FORT BELVOIR, VIRGINIA

Accession For	
NTIS	CRA&I <input checked="" type="checkbox"/>
DTIC	TAB <input type="checkbox"/>
Unannounced <input type="checkbox"/>	
Justification	
By	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A-1	25

~~Project Engineer, U.S. Army, Engineer District, NE~~

~~U.S. Army, Engineer District, NE~~

Geographical Areas Covered by
Waterborne Commerce Statistics Publications
of the
DEPARTMENT OF THE ARMY CORPS OF ENGINEERS
(Heavy broken lines indicate the limits embraced by
each part of the five-part series)



INLAND WATERWAYS LEGEND

— PRINCIPAL IMPROVED WATERWAYS
..... (IN OPEN WATER)

PART 4

PACIFIC OCEAN



WATERBORNE COMMERCE OF THE UNITED STATES

- Part 1 - Atlantic Coast
- Part 2 - Gulf Coast, Mississippi River System and Anitiles
- Part 3 - Great Lakes
- Part 4 - Pacific Coast, Alaska and Hawaii
- Part 5 - Waterborne Commerce of the United States
(National Summary)

PART 2

ATLANTIC OCEAN
HAWAII
ANTILLES
CARIBBEAN SEA

PART 5

CONTENTS

V

Page

Map of the United States showing geographical areas covered by each of the five Waterborne Commerce Statistics publications.	IV
Introduction	VII
Explanation of Terms for Kind of Traffic	VIII
Commodity Classification for Domestic Waterborne Commerce.	IX
SECTION 1. Comparative statements of commerce for preceding years and the detailed freight traffic for calendar year 1985 of waterways and harbors of the Pacific Coast, Alaska and Hawaii, arranged by U.S. Army Engineer Districts.	
Los Angeles, Calif.	1
Sacramento, Calif	3
San Francisco, Calif.	10
Pacific Ocean Division.	17
Walla Walla, Wash	31
Portland, Oreg.	39
Seattle, Wash	41
Alaska.	60
Alaska.	74
SECTION 2. Trips and drafts of vessels for waterways and harbors of the Pacific Coast, Alaska and Hawaii, arranged by U.S. Army Engineer Districts.	
Los Angeles, Calif.	99
Sacramento, Calif	101
San Francisco, Calif.	103
Pacific Ocean Division.	105
Walla Walla, Wash	108
Portland, Oreg.	110
Seattle, Wash	111
Alaska.	117
Alaska.	120
Index.	127

INTRODUCTION

VII

This publication is one of a series containing statistics on the waterborne commerce of the United States during the calendar year 1985. Four of these publications present detailed data on the movements of commodities and vessels at the ports and harbors and on the waterways and canals of the United States, the Commonwealth of Puerto Rico, and the Virgin Islands, and the fifth contains summary data of the country as a whole. The numbers of the publications and the areas covered are:

Area

- Part 1. Atlantic Coast
- Part 2. Gulf Coast, Mississippi River System, and Antilles
- Part 3. Great Lakes
- Part 4. Pacific Coast, Alaska, and Hawaii
- Part 5. Waterborne Commerce of the United States (National Summaries)

Both the foreign and domestic commerce moved on United States waters are included. Data on the foreign commerce were supplied to the Corps of Engineers by the Bureau of the Census; data for the compilation of the domestic statistics were collected by the several offices of the Corps of Engineers, Department of the Army, in compliance with various acts of Congress. The principal provision governing the collection of these data is included in the River and Harbor Act of September 22, 1922:

Section 11. That owners, agents, masters, and clerks of vessels and other craft plying upon the navigable waters of the United States, and all individuals and corporations engaged in transporting their own goods upon the navigable waters of the United States, shall furnish such statements relative to vessels, passengers, freight and tonnage as may be required by the Secretary of War: Provided, that this provision shall not apply to those rafting logs, except upon a direct request upon the owner to furnish specific information.

That every person or persons offending against the provisions of this section, shall for each and every offense, be liable to a fine of \$100 or imprisonment not exceeding two months, to be enforced in any district court in the United States within whose territorial jurisdiction such offense may have been committed.

While the information as now collected and compiled is designed to meet the administrative requirements of the Department of the Army in connection with the duties assigned by Congress, it also provides useful data for other governmental departments, commercial and shipping concerns, and others interested in transportation.

Waterborne traffic movements were reported to the Corps of Engineers by all vessel operators of record on prescribed forms approved by the Office of Management and Budget under the Federal Reports Act of 1942 for those movements of their vessels which were classified as domestic traffic; namely, between United States ports, continental and noncontiguous, and on the island rivers, canals, and connecting channels of the United States, Puerto Rico, and the Virgin Islands, excluding the Panama Canal. The reports were generally submitted on the basis of a vessel movement completed in one direction and, for movements with cargo, the origin and destination of the water transportation of each individual commodity. In compiling the data, the entire movement was included in the year in which the movement was completed even though the shipment may have originated in the preceding year, except that, beginning with calendar year 1961 statistics, a cutoff date of 28 February was established for the processing of reports from vessel operators covering the prior year's completed movements. Hence, reports of movements completed in 1985 but not reported to the Corps of Engineers until after 28 February 1986 will be included in the next year's, 1986, statistics rather than in this publication, while reports of movements completed in 1984 but reported to the Corps after 28 February 1985 are included in this publication.

Sponsored by the Office of Statistical Policy, Office of Management and Budget, a uniform system of classification for freight was developed with cooperation of all Federal agencies engaged in collecting and compiling data on shipping. This classification, the Commodity Classification for Domestic Waterborne Commerce, is used for data on the foreign and domestic commerce presented in these publications, although some minor modifications exist in the foreign data which were necessitated by Bureau of the Census policies and procedures.

The domestic traffic includes all commercial movements between points in the United States, Puerto Rico, and the Virgin Islands. Traffic with the Panama Canal Zone is treated as foreign commerce. Cargo moved for the military agencies in commercial vessels is reported as ordinary commercial cargo; military cargo moved in Department of Defense vessels is omitted from these statistics.

All movements between the United States and foreign countries and between Puerto Rico and Virgin Islands, U.S.A., and foreign countries are classified as foreign traffic. Trade between United States territories and possessions, i.e. Guam, Wake, American Samoa, etc., and foreign countries is excluded.

These data are furnished to the Corps of Engineers by the Bureau of the Census under a working arrangement sponsored by the Office of Statistical Policy, Office of Management and Budget. The data are confined to movements by water, and are reconcilable with published reports of the Bureau of the Census. Shipments of domestic merchandise and re-exports of foreign merchandise are termed exports. The imports include inbound merchandise for direct consumption and entries into custom bonded storage and manufacturing warehouses. Intransit merchandise, defined by the Bureau of the Census as merchandise coming into the United States from a foreign country and shipped to a foreign country without having been entered as an import, is treated as an import when unloaded from a vessel and as an export when loaded on a vessel. Export shipments for use of the United States Armed Forces abroad are excluded from the statistics as are import shipments on Department of Defense owned and operated vessels. Foreign trade data of territories and possessions other than Puerto Rico and the Virgin Islands, which are under the jurisdiction of the Department of the Interior, were not furnished to the Corps of Engineers by the Bureau of the Census and are excluded from the statistics of both agencies.

Export shipments under the various foreign aid programs on Department of Defense operated vessels, either American Flag commercial vessels under time, voyage, or space charter or vessels owned and operated by the Department of Defense, and various items (listed by the Census) which affect national security are not published in terms of the individual commodities shipped. Instead, a lump-sum tonnage figure is compiled and appears in these tables as commodity code 9999, "Department of Defense Controlled Cargo and Special Category Items."

The 1985 statistics on waterborne exports of domestic and foreign merchandise and non-Department of Defense shipments of Special Category commodities reflect fully compiled data for shipments to Canada individually valued at \$2,000 and over combined with estimated data for shipments valued \$251-\$1,999, based on a 10-percent sample of such shipments. For countries other than Canada, the export statistics reflect fully compiled data for shipments valued \$1,000 and over combined with estimated data for shipments valued \$251-\$999, based on a 50-percent sample of such shipments. Data on export shipments valued under \$251 are excluded from this report.

Import statistics for 1985 exclude data on shipments valued \$250 and under reported on both formal and informal entries. Informal entries generally contain items valued not more than \$250.

Foreign trade data furnished by Census are based on reports processed for Census' monthly data January through December and represent statistical year rather than calendar year data.

VIII Waterborne Commerce of the United States, 1985

The figures on ton-miles are computed by the Corps of Engineers; each ton-mile figure reflects only the distance each ton of cargo, foreign or domestic, moved on the waterway described in the section for which the figure is reported. The summary of ton-miles for the entire United States contained in Part 5 includes movements on the inland waterways and Great Lakes System only, cargoes, foreign and domestic, of deep-sea vessels are included only for that portion of the voyage that occurred in inland rivers, canals, or connecting channels—neither the carriage on the oceans nor the Gulf of Mexico nor the tonnage moved among the territories and possessions, "Intra-territory Traffic," is taken into account.

Trips of vessels at ports are reported as inbound, which represents the number of entrances or arrivals, and outbound, which represents the number of clearances or departures. On the waterways, the number of trips signifies the number of individual vessel movements on the waterway in each direction; a single trip is counted for each vessel using the waterway in a continuous direction regardless of the number of stops made on the waterway. Some towboat trips and empty barge moves are sampled to expedite processing and reduce cost. Even with sampling; however, the number of towboat trips are calculated from better than 70-percent of the total number of towboat moves reported and the number of barge trips are derived from better than 85-percent of the total number of barge moves reported. The number of trips reported includes vessels engaged in foreign trade, which are furnished by the Bureau of the Census based on Customs Entrance and Clearance forms. Complete information on trips of vessels, ferry and other, not required to clear formally was not furnished by the Bureau of Customs beginning with data for the year 1969. Adjustments are made to the trip counts, if necessary, to more accurately reflect actual traffic patterns (e.g. inbound vs. outbound trip counts).

Customs regulations with regard to entrance and clearance do not provide all data as required by the Corps of Engineers where supplementary information could be obtained, adjustments were made by the Corps of Engineers to reflect the true volume of vessel movements in and out of channels and harbors reported in these publications.

Excluding from these figures are United States Army and Navy vessels, such as Army transports and Navy tankers entering or clearing without commercial cargo, and foreign military and naval craft.

Some duplication may exist in the number of vessel trips at ports for those American flag vessels engaging both foreign and domestic trade on the same voyage. Since movements of vessels and cargo between two United States ports are reported to the Corps of Engineers, and entrance and clearance must be obtained from Customs at each port of call while foreign cargoes are aboard, those vessels engaged in combined foreign and domestic movements may be reported twice.

Draft, in all cases, is the distance from water level to the lowest point of the vessel under-water and is measured when the vessel is completely stopped—either tied to a dock or at anchor. The draft under way—while the vessel is moving—is dependent on many factors, such as speed of the vessel and depth and width of the channel, and varies from channel to channel. Channel depth of at least 3 feet more than the draft of a vessel at dock is required where vessels must be operated at slow speed. Channel depth of 5 feet more than the draft of a vessel at dock is required in channels where vessels can be operated at more efficient and economical speeds.

Passenger arrivals and departures on the various waterways and channels and at ports include passengers engaged in foreign travel. While the Immigration and Naturalization Service, Department of Justice, no longer provides foreign passenger data to the Waterborne Commerce Statistics Center, foreign passengers traveling between Canada and the United States in the Great Lakes and Alaska areas are reported to the Corps of Engineers from other sources available to the Corps. In addition, the New England Division has been able to obtain foreign passenger data for calendar year 1985 in Bar Harbor, Lubec, Eastport and Portland Harbor.

Foreign data on various connecting channels having no terminal facilities, such as Cape Cod Canal, and Chesapeake and Delaware Canal, are not available from Census records. Hence, the Corps of Engineers developed such data from canal records.

SECTION 1 of this publication presents comparative statements of commerce for preceding years and the detailed freight traffic for calendar year 1985 of harbors and waterways in the area covered by this part of the statistics series.

SECTION 2 presents data on the movements of vessels at the harbors and on the waterways included in the first section.

TERMS FOR KIND OF TRAFFIC

The terms applied to the kinds of traffic as found in these publications are explained as follows:

Pertaining to Ports

Imports and Exports. These terms apply to traffic between the United States and foreign ports, including the Canal Zone. Traffic of the U.S. Great Lakes ports with Canada is supplemented by the term "Canadian" to differentiate it from overseas traffic.

Coastwise Receipts and Shipments. These terms apply to domestic traffic receiving a carriage over the ocean, or the Gulf of Mexico, e.g. New Orleans to Baltimore, New York to Puerto Rico, San Francisco to Hawaii, or Puerto Rico to Hawaii. Traffic between Great Lakes ports and seacoast ports, when having a carriage over the ocean, is also termed "coastwise." The Chesapeake Bay and Puget Sound are internal bodies of water, therefore, traffic confined to these areas in "internal" rather than "coastwise."

Lake-wise Receipts and Shipments. These terms apply to traffic between United States ports on the Great Lakes System. The Great Lakes System is treated as a separate system rather than as a part of the inland system.

Internal Receipts and Shipments. These terms apply to traffic between ports or landings wherein the entire movement takes place on inland waterways. Also termed internal are movements involving carriage on both inland waterways and waters of the Great Lakes; inland movements that cross short stretches of open waters which link inland systems; marine products, sand and gravel taken directly from beds of the oceans, the Gulf of Mexico and important areas thereof; and movements between offshore installations and inland waterways.

Local. Movements of freight within the confines of a port whether the port has only one or several areas or channels, except car-ferry and general ferry are termed "local." The term is also applied to marine products, sand, and gravel taken directly from the Great Lakes.

Intraterritory receipts and shipments. These terms apply to traffic between ports in Puerto Rico and the Virgin Islands, U.S.A., which are considered a single unit.

Pertaining to Rivers, Federal and Private Canals, Connecting Channels, and Intracoastal Waterways

The terms "imports," "exports," "coastwise receipts," "coastwise shipments," "internal receipts," and "internal shipments" are used as at ports.

Upbound and Downbound. These terms are applied to movements within the confines of a river, intracoastal waterway, canal, or a segment of one of these channels as described in the "Section included" for each channel.

Inbound and Outbound. Traffic moving from one waterway into another is termed "outbound" in the case of the shipping waterway and "inbound" with respect to the receiving waterway.

Through Traffic. Traffic moving through a waterway to and from points on other waterways is termed "through traffic."

General Terms

Freight reported under the terms "car ferry" or "general ferry" is not directly included in the port or channel tonnage, but is separately stated and tabulated.

INTRODUCTION

IX

COMMODITY CLASSIFICATION FOR DOMESTIC WATERBORNE COMMERCE

NOTE: The commodity descriptions used in the statistical tables in this publication are abbreviated to conserve printing space of the following commodities:

Code No.	Item Name	Code No.	Item Name
Group 01-Farm Products		Group 19-Ordinance and Accessories	
0101	Cotton, raw	1911	Ordinance and accessories
0102	Barley and rye	Group 20-Food and Kindred Products	
0103	Corn	2011	Meat, fresh, chilled, or frozen
0104	Oats	2012	Meat and meat products prepared or preserved, including canned meat products
0105	Rice	2014	Tallow, animal fats and oils
0106	Sorghum Grains	2015	Animal by-products, not elsewhere classified
0107	Wheat	2021	Dairy products, except dried milk and cream
0111	Soybeans	2022	Dried milk and cream
0112	Flaxseed	2031	Fish and fish products, including shellfish, prepared or preserved
0119	Oilseeds, not elsewhere classified	Group 20-Food and Kindred Products	
0121	Tobacco, leaf	2034	Vegetables and preparations, canned and otherwise prepared and preserved
0122	Hay and Fodder	2039	Fruits, and fruit and vegetable juices, canned and otherwise prepared or preserved
0129	Field crops, not elsewhere classified	2041	Wheat flour and semolina
0131	Fresh fruits	2042	Animal feeds
0132	Bananas and plantains	2049	Grain mill products, not elsewhere classified
0133	Coffee, green and roasted (including instant)	2061	Sugar
0134	Cocoa beans	2062	Molasses
0141	Fresh and frozen vegetables	2081	Alcoholic beverages
0151	Live animals (livestock) except zoo animals, cats, dogs, etc.	2091	Vegetable oils, all grades; margarine and shortening
0161	Animals and animal products, not elsewhere classified	2092	Animal oils and fats, not elsewhere classified, including marine
0191	Miscellaneous farm products	2094	Groceries
Group 08-Forest Products		2095	Ice
0841	Crude rubber and allied gums	2099	Miscellaneous food products
0861	Forest products, not elsewhere classified	Group 21-Tobacco Products	
Group 09-Fresh Fish and Other Marine Products		2111	Tobacco manufactures
0911	Fresh fish, except shellfish	Group 22-Basic Textiles	
0912	Shellfish, except prepared or preserved	2211	Basic textile products, except textile fibers
0913	Menhaden	2212	Textile fibers not elsewhere classified
0921	Marine shells, unmanufactured	Group 23-Apparel and Other Finished Textile Products Including Knit	
Group 10-Metallic Ores		2311	Apparel and other finished textile products, including knit
1011	Iron ore and concentrates	Group 24-Lumber and Wood Products Except Furniture	
1021	Copper ore and concentrates	2411	Logs
1051	Bauxite and other aluminum ores and concentrates	2412	Rafted logs
1061	Manganese ores and concentrates	2413	Fuel wood, charcoal, and wastes
1091	Nonferrous metal ores and concentrates, not elsewhere classified	2414	Timber, posts, poles, piling, and other wood in the rough
Group 11-Coal		2415	Pulpwood, log
1121	Coal and lignite	2416	Wood chips; staves, moldings, and excelsior
Group 13-Crude Petroleum		2421	Lumber
1311	Crude petroleum	2431	Veneer, plywood, and other worked wood
Group 14-Nonmetallic Minerals, Except Fuels		2491	Wood manufactures, not elsewhere classified
1411	Limestone flux and calcareous stone	Group 25-Furniture and Fixtures	
1412	Building stone, unworked	2511	Furniture and fixtures
1442	Sand, gravel and crushed rock	Group 26-Pulp, Paper and Allied Products	
1451	Clay, ceramic and refractory materials	2611	Pulp
1471	Phosphate rock	2621	Standard newsprint paper
1479	Natural fertilizer materials, not elsewhere classified		
1491	Salt		
1492	Sulphur, dry		
1493	Sulphur, liquid		
1494	Gypsum, crude and plasters		
1499	Nonmetallic minerals, except fuels, not elsewhere classified		

Code No.	Item Name	Code No.	Item Name
Group 26-Pulp, Paper and Allied Products (continued)		Group 32-Stone, Clay, Glass and Concrete Products	
2631	Paper and paperboard	211	Glass and glass products
2691	Pulp, paper and paperboard products, not elsewhere classified	3241	Building cement
		3251	Structural clay products, including refractories
		3271	Lime
		3281	Cut stone and stone products
		3291	Miscellaneous nonmetallic mineral products
	Group 27-Printed Matter		
2711	Printed matter		Group 33-Primary Metal Products
	Group 28-Chemicals and Allied Products		
2810	Sodium hydroxide (caustic soda)	3311	Pig iron
2811	Crude products from coal tar, petroleum, and natural gas, except benzene and toluene	3312	Slag
2812	Dyes, organic pigment, dyeing and tanning materials	3313	Coke (coal and petroleum), petroleum pitches and asphalts, and naphtha and solvents
2813	Alcohols	3314	Iron and steel ingots, and other primary forms, including blanks for tube and pipe, and sponge
2816	Radioactive and associated materials, including waste	3315	Iron and steel bars, rods, angles, shapes and sections, including sheet piling
2817	Benzene and toluene, crude and commercially pure	3316	Iron and steel plates and sheets
2818	Sulphuric acid	3317	Iron and steel pipe and tube
2819	Basic chemicals and basic chemical products, not elsewhere classified	3318	Ferroalloys
2821	Plastic materials, regenerated cellulose and synthetic resins, including film, sheeting and laminates	3319	Primary iron and steel products, not elsewhere classified including castings in the rough
2822	Synthetic rubber	3321	Nonferrous metals primary smelter products, basic shapes, wire castings and forgings, except copper, lead, zinc and aluminum
2823	Synthetic (man-made) fiber	3322	Copper and copper alloys, whether or not refined, unworked
2831	Drugs, biological products, medicinal chemicals, botanical products and pharmaceutical preparations	3323	Lead and zinc including alloys, unworked
2841	Soap, detergents, and cleaning preparations, perfumes, cosmetics, and other toilet preparations	3324	Aluminum and aluminum alloys, unworked
2851	Paints, varnishes, lacquers, enamels, and allied products		Group 34-Fabricated Metal Products, Except Ordnance, Machinery and Transportation Equipment
2861	Gum and wood chemicals	3411	Fabricated metal products, except ordnance, machinery, and transportation equipment.
2871	Nitrogenous chemical fertilizers, except mixtures		Group 35-Machinery, Except Electrical
2872	Potassic chemical fertilizers, except mixtures		
2873	Phosphatic chemical fertilizers, except mixtures	3511	Machinery, except electrical
2876	Insecticides, fungicides, pesticides, and disinfectants		Group 36-Electrical Machinery, Equipment and Supplies
2879	Fertilizers and fertilizer materials, not elsewhere classified		
2891	Miscellaneous chemical products	3611	Electrical machinery equipment and supplies
	Group 29-Petroleum and Coal Products		Group 37-Transportation Equipment
2911	Gasoline, including additives		
2912	Jet fuel	3711	Motor vehicles, parts and equipment
2913	Kerosene	3721	Aircraft and parts
2914	Distillate fuel oil	3731	Ships and boats
2915	Residual fuel oil	3791	Miscellaneous transportation equipment
2916	Lubricating oils and greases		Group 38-Instruments, Photographic and Optical Goods, Watches and Clocks
2917	Naphtha, mineral spirits, solvents, not elsewhere classified		
2918	Asphalt, tar, and pitches	3811	Instruments, photographic and optical goods, watches and clocks
2920	Coke, including petroleum coke		Group 39-Miscellaneous Products of Manufacturing
2921	Liquefied petroleum gases, coal gases, natural gas, and natural gas liquids		
2951	Asphalt building materials	3911	Miscellaneous products of manufacturing
2991	Petroleum and coal products, not elsewhere classified		Group 40-Waste and Scrap Materials
	Group 30-Rubber and Miscellaneous Plastics Products		
3011	Rubber and miscellaneous plastic products	4011	Iron and steel scrap
	Group 31-Leather and Leather Products	4012	Nonferrous metal scrap
		4022	Textile waste, scrap, and sweepings
3111	Leather and leather products	4024	Paper waste and scrap
		4029	Waste and scrap, not elsewhere classified

INTRODUCTION

XI

Code No.	Item Name
	Group 41-Special Items
4111	Water
4112	Miscellaneous shipments not identifiable by commodity
4113	LCL freight
4118	Materials used in waterway improvement, Government materials
4119	Empty containers
9999*	Department of Defense controlled cargo and special category items

* Cargoes exported on Department of Defense controlled vessels (other than goods for the use of U.S. Armed Forces abroad) and non-Department of Defense shipments of military component items (abbreviated SCI) for which commodity detail is not furnished to the Corps of Engineers.

SECTION 1
FREIGHT TRAFFIC

LOS ANGELES, CA, DISTRICT

3

SAN DIEGO HARBOR, CALIF.

SECTION INCLUDED: ENTIRE HARBOR, CONTROLLING AND PROJECT DEPTHS: 42 FEET IN ENTRANCE CHANNEL; 35 TO 42 FEET IN BAY CHANNEL, ANCHORAGES AND TURNING BASINS 10 TO 16 FEET IN OTHER CHANNELS AND AREAS.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1976	2,184,617	1981	2,650,292
1977	2,264,445	1982	2,398,103
1978	2,571,402	1983	1,121,952
1979	2,401,349	1984	1,803,821
1980	2,188,859	1985	2,873,186

* PASSENGERS--681,238.

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	SHIPMENTS	INTERNAL RECEIPTS	
TOTAL	2,873,186	769,680	673,863	323,249	298,872	84,856	722,666
0101 COTTON, RAW	40		40				
0107 WHEAT	92,431		92,431				
0861 FOREST PRODUCTS, NEC	88,637	6,841				81,796	
0911 FRESH FISH, EXCEPT SHELLFISH	2,955	16				2,939	
0912 SHELLFISH, EXCEPT PREPARED	121					121	
1021 COPPER ORE AND CONCENTRATES	279,181		279,181				
1311 CRUDE PETROLEUM	4,168				4,168		
1499 NONMETALLIC MINERALS, NEC	11,035		11,035				
2031 FISH AND SHELLFISH, PREPARED	6,779	6,779					
2034 VEGETABLES AND PREP, NEC	10	10					
2039 PREP FRUIT AND VEG JUICE, NEC	10	10					
2042 ANIMAL FEEDS	731	731					
2062 MOLASSES	45,041	45,041					
2211 BASIC TEXTILE PRODUCTS	2	2					
2311 APPAREL	11	11					
2421 LUMBER	274,178	50,001		224,177			
2491 WOOD MANUFACTURES, NEC	2	2					
2621 STANDARD NEWSPRINT PAPER	56,808	56,808					
2711 PRINTED MATTER	45	45					
2819 BASIC CHEMICALS AND PROD, NEC	43,198	22,220	20,978				
2821 PLASTIC MATERIALS	3	3					
2831 DRUGS	2	2					
2861 GUM AND WOOD CHEMICALS	2,700			2,700			
2871 NITROGENOUS CHEM FERTILIZERS	54,239	54,239					
2872 POTASSIC CHEM FERTILIZERS	143,149		143,149				
2879 FERTILIZER AND MATERIALS, NEC	1,588	1,588					
2891 MISCELLANEOUS CHEMICAL PROD	1	1					
2914 DISTILLATE FUEL OIL	145,022	84,770		60,252			
2915 RESIDUAL FUEL OIL	63,358	474		36,110	26,374		
2918 ASPHALT, TAR, AND PITCHES	1,320				1,320		
3011 RUBBER AND MISC PLASTIC PROD	53	23	30				
3111 LEATHER AND LEATHER PRODUCTS	34	34					
3241 BUILDING CEMENT	437,152	437,152					
3291 MISC NONMETALLIC MINERAL PROD	1	1					
3411 FABRICATED METAL PRODUCTS	394	226	168				
3511 MACHINERY, EXCEPT ELECTRICAL	929	716	213				
3611 ELECTRICAL MACH AND EQUIP	88	30	58				
3711 MOTOR VEHICLES, PARTS, EQUIP	313	285	28				
3721 AIRCRAFT AND PARTS	9		9				
3731 SHIPS AND BOATS	30	30					
3811 INSTR, TIME, PHOTO, OPT GOODS	1		1				
3911 MISC MANUFACTURED PRODUCTS	57	57					
4011 IRON AND STEEL SCRAP	126,504		126,504				
4029 WASTE AND SCRAP, NEC	989,666				267,000		
4112 COMMODITIES, NEC	1,198	1,138	32	10	10		722,666

LONG BEACH HARBOR, CALIF.

SECTION INCLUDED: ENTIRE HARBOR WITHIN THE CITY LIMITS OF LONG BEACH, CONTROLLING DEPTH: 62 FEET IN LONG BEACH CHANNEL AND ENTRANCE CHANNEL; 50 FEET TO 55 FEET IN OTHER CHANNELS AND BASINS. PROJECT DEPTH: 35 FEET IN LONG BEACH CHANNEL AND OTHER CHANNELS AND BASINS.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1976	31,457,099	1981	43,537,011
1977	32,985,826	1982	42,010,254
1978	31,586,404	1983	41,112,564
1979	33,347,303	1984	42,848,658
1980	38,779,672	1985	43,977,333

* PASSENGERS--964,859.

Waterborne Commerce of the United States, 1985

LONG BEACH HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	43,977,333	11,467,036	9,374,521	16,394,177	674,628	4,369,659	909,219	784,093
0101 COTTON, RAW-----	295,753	40	295,691	22				
0102 BARLEY AND RYE-----	82		82					
0103 CORN-----	469,090		469,061	29				
0104 OATS-----	6		6					
0105 RICE-----	16,118	16,790	1,324					
0106 SORGHUM GRAINS-----	209,593		209,593					
0107 WHEAT-----	84,917	3	84,914					
0111 SOYBEANS-----	2,053	47	2,006					
0119 OILSEEDS, NEC-----	5,947	1,181	4,766					
0121 TOBACCO, LEAF-----	5,403	5,180	223					
0129 FIELD CROPS, NEC-----	4,442	1,236	3,206					
0131 FRESH FRUITS-----	370,880	1,940	368,649	291				
0132 BANANAS AND PLANTAINS-----	370,566	370,546		22				
0133 COFFEE-----	32,624	22,117	10,454	45				
0134 COCOA BEANS-----	183							
0141 FRESH AND FROZEN VEGETABLES-----	24,774	5,634	19,074	20	42			
0151 LIVE ANIMALS-----	3	3						
0161 ANIMALS AND PRODUCTS, NEC-----	13,121	7,747	5,374					
0191 MISCELLANEOUS FARM PRODUCTS-----	3,625	608	3,017					
0841 CRUDE RUBBER AND ALLIED GUMS-----	10,950	10,931	19					
0861 FOREST PRODUCTS, NEC-----	4,363	3,444	870	23	22			
0911 FRESH FISH, EXCEPT SHELLFISH-----	19,181	16,173	2,990	18				
0912 SHELLFISH, EXCEPT PREPARED-----	25,953	25,149	732	72				
0931 MARINE SHELLS, UNMANUFACTURED-----	1,640	747	1,093					
1051 ALUMINUM DRES, CONCENTRATES-----	53,889	53,434	455					
1091 NONFERROUS DRES, CONCENT, NEC-----	14,481	13,839	642					
1121 COAL AND LIGNITE-----	124,985	34	124,933	18				
1311 CRUDE PETROLEUM-----	16,249,339	732,777	15,506,991	9,607				
1411 LIMESTONE-----	74			74				
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,424	212	2,219	67			16	
1451 CLAY-----	4,674	1,208	3,247	157			262	
1471 PHOSPHATE ROCK-----	155	44	111					
1479 NATURAL FERTILIZER MATS, NEC-----	4,069	4,069						
1491 SALT-----	124,850	124,850						
1492 SULPHUR, DRY-----	55		55					
1494 GYPSUM, CRUDE AND PLASTERS-----	766,347	765,282	944	121				
1499 NONMETALLIC MINERALS, NEC-----	112,859	1,103	111,193	58	197		308	
1911 ORDONANCE AND ACCESSORIES-----	2,276	1,457	567	52				
2011 MEAT, FRESH, CHILLED, FROZEN-----	124,322	82,874	40,873	575				
2012 MEAT AND PRODUCTS, NEC-----	7,700	4,631	3,069					
2014 TALLOW, ANIMAL FATS AND OILS-----	43,782		43,782					
2015 ANIMAL BY-PRODUCTS, NEC-----	106,502	130	106,372					
2021 DAIRY PRODUCTS, NEC-----	1,417	859	225	333				
2022 DRIED MILK AND CREAM-----	718	718						
2031 FISH AND SHELLFISH, PREPARED-----	58,328	56,960	1,364					
2034 VEGETABLES AND PREP, NEC-----	43,243	72,911	7,556	22	2,954			
2039 PREP FRUIT AND VEG JUICE, NEC-----	96,727	59,667	36,933	19	104			
2041 WHEAT FLOUR AND SEMOLINA-----	1,363		1,199	164				
2042 ANIMAL FEEDS-----	101,103	9,353	91,509	241				
2049 GRAIN MILL PRODUCTS, NEC-----	45,790	18,540	27,115	93	42			
2061 SUGAR-----	119	35	75	9				
2062 MOLASSES-----	13,920				13,920			
2081 ALCOHOLIC BEVERAGES-----	113,182	107,062	4,687	89	1,344			
2091 VEGETABLE OILS, MARG, SHORT-----	42,141	30,902	11,156	83				
2092 ANIMAL OILS AND FATS, NEC-----	213	212	1					
2094 GROCERIES-----	766			2	775			
2095 ICE-----	14,634	14,634		9				
2099 MISCELLANEOUS FOOD PRODUCTS-----	99,902	60,491	35,461	643	2,904		1	
2111 TOBACCO MANUFACTURES-----	606	180	426					
2211 BASIC TEXTILE PRODUCTS-----	124,204	112,725	6,037	60	4,476			
2212 TEXTILE FIBERS, NEC-----	4,036	1,031	3,007					
2311 APPAREL-----	185,208	184,825	369	12	2			
2411 LOGS-----	1,991	1,838	103	40				
2413 FUEL WOOD, CHARCOAL, WASTES-----	59	1	58					
2414 TIMBER, POSTS, POLES, PILING-----	2,797	2,795	2					
2416 WOOD CHIPS, STAVES, HOLDINGS-----	166	24	120	22				
2421 LUMBER-----	237,498	129,749	3,529	103,374	412		834	
2431 VENEER, PLYWOOD, WORKED WOOD-----	59,950	59,766	184					
2491 WOOD MANUFACTURES, NEC-----	63,632	45,636	7,999	32	9,439		72	
2511 FURNITURE AND FIXTURES-----	210,621	207,998	1,733	84	1,006			
2611 PULP-----	17,950	2,010	17,370					
2621 STANDARD NEWSPRINT PAPER-----	290,458	290,448	10					
2631 PAPER AND PAPERBOARD-----	87,360	67,174	19,982	202				
2691 PULP AND PAPER PRODUCTS, NEC-----	30,452	19,614	5,200	5,438				
2711 PRINTED MATTER-----	27,930	23,404	3,953	22	551			
2810 SODIUM HYDROXIDE-----	60,086		60,086					
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	2,694	2,662	32					
2812 DYES, PIGMENT, TANNING MATS-----	198		198					
2813 ALCOHOLS-----	3,142	2,185	956		1			
2816 RADIOACTIVE MATERIALS, WASTES-----	7							
2817 BENZENE AND TOLUENE-----	2,518	11	37	2,470				
2819 BASIC CHEMICALS AND PROD, NEC-----	1,056,723	537,372	369,871	101,606	51,462		4	4
2821 PLASTIC MATERIALS-----	195,291	68,315	129,980	20	976			
2828 SYNTHETIC RUBBER-----	12,779	3,262	9,517					
2829 SYNTHETIC (MAN-MADE) FIBERS-----	9,682	2,945	6,675					
2831 DRUGS-----	7,504	4,253	2,663		388			
2841 SOAP-----	15,699	3,914	10,298		1,487			
2851 PAINTS-----	24,982	18,788	5,199		995			
2861 GUM AND WOOD CHEMICALS-----	1,366	772	594					
2871 NITROGENOUS CHEM FERTILIZERS-----	1,575	1,375	200					
2872 POTASSIC CHEM FERTILIZERS-----	16,966	64	16,900					
2873 PHOSPHATIC CHEM FERTILIZERS-----	198	38	160					

LOS ANGELES, CA, DISTRICT

5

LONG BEACH HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
2876 INSECTICIDES, DISINFECTANTS-----	4,788	784	3,920	-----	84	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	1,501	229	956	-----	296	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	48,032	9,528	18,270	15,535	699	-----	-----	-----
2911 GASOLINE-----	504,812	125,751	429	347,016	15,203	16,413	-----	-----
2912 JET FUEL-----	121,711	-----	2,876	93,753	25,082	-----	-----	-----
2913 KEROSENE-----	14	-----	-----	-----	14	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	968,070	21,414	549,296	64,300	213,778	45,696	52,282	21,304
2915 RESIDUAL FUEL OIL-----	7,380,865	20	1,555,148	18,281	177,786	4,272,406	595,471	761,753
2916 LUBRICATING OILS AND GREASES-----	192,472	4,653	122,875	51,725	-----	4,552	8,667	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	32,645	32,519	126	-----	-----	-----	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	5,292	-----	399	-----	4,893	-----	-----	-----
2920 COKE, PETROLEUM COKE-----	3,378,094	31	3,378,083	-----	-----	-----	-----	-----
2921 LIQUEFIED GASES-----	239	33	206	-----	-----	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	696	-----	341	-----	357	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	15,862	302	1,271	10,319	636	1,076	1,265	993
3011 RUBBER AND MISC PLASTIC PROD-----	318,454	305,435	12,033	9	977	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	180,980	175,562	5,418	-----	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	40,239	36,934	2,697	-----	408	-----	-----	-----
3241 BUILDING CEMENT-----	825,273	823,633	369	-----	176	85	1,010	-----
3251 STRUCTURAL CLAY PRODUCTS-----	48,310	44,212	3,839	-----	259	-----	-----	-----
3271 LIME-----	20	1	-----	-----	19	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	20,616	20,487	43	86	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	125,129	118,553	6,147	7	422	-----	-----	-----
3311 PIG IRON-----	1,988	1,934	54	-----	-----	-----	-----	-----
3312 SLAG-----	7	-----	-----	-----	7	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	370,312	370,168	144	-----	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,676,326	1,675,514	812	-----	-----	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	5,883	4,137	1,534	-----	212	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	355,283	351,748	2,248	45	305	215	722	-----
3318 FERROALLOYS-----	496	298	198	-----	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	18,083	14,733	3,350	-----	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	11,327	5,270	5,997	60	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	19,753	12,391	7,362	-----	3	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	26,336	25,477	856	-----	3	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	49,140	33,864	15,088	-----	188	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	473,143	446,577	16,837	571	7,731	506	908	13
3511 MACHINERY, EXCEPT ELECTRICAL-----	486,015	406,993	75,893	700	695	804	928	2
3611 ELECTRICAL MACH AND EQUIP-----	741,810	718,673	22,545	7	582	-----	-----	3
3711 MOTOR VEHICLES, PARTS, EQUIP-----	766,291	751,339	14,702	2	248	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	2,756	348	2,237	-----	171	-----	-----	-----
3731 SHIPS AND BOATS-----	5,960	4,814	1,145	-----	1	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	2,043	1,237	821	-----	5	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	72,273	66,471	5,802	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	338,553	333,076	5,102	-----	358	-----	17	-----
4011 IRON AND STEEL SCRAP-----	116,219	265	115,954	-----	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	53,238	801	52,437	-----	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SHEEP-----	9,820	23	9,797	-----	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	567,825	-----	567,825	-----	-----	-----	-----	1
4029 WASTE AND SCRAP, NEC-----	250,019	-----	-----	684	13	3,021	280	300
4111 WATER-----	104	-----	-----	-----	2	74	25	3
4112 COMMODITIES, NEC-----	198,038	19,373	23,617	15,078	139,766	47	138	19
4119 EMPTY CONTAINERS-----	180	-----	-----	86	15	42	35	2
9999 DEPARTMENT OF DEFENSE AND SCI-----	1,076	-----	1,076	-----	-----	-----	-----	-----

LOS ANGELES HARBOR, CALIF.

SECTION INCLUDED: ENTIRE HARBOR WITHIN THE CITY LIMITS OF LOS ANGELES. CONTROLLING DEPTHS: 45 TO 51 FEET IN ENTRANCE AND OUTER HARBOR CHANNELS AND BASINS; 45 FEET IN LOS ANGELES CHANNEL AND INNER HARBOR BASINS AND CHANNELS. PROJECT DEPTHS: 45 TO 51 FEET IN ENTRANCE AND OUTER HARBOR CHANNELS AND BASINS; 45 FEET IN LOS ANGELES CHANNEL AND INNER HARBOR BASINS AND CHANNELS.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1976-----	36,931,489	342,468	1981-----	31,526,075	712,290
1977-----	31,325,506	603,447	1982-----	33,099,924	582,302
1978-----	32,827,478	596,831	1983-----	28,034,681	431,186
1979-----	31,749,483	624,289	1984-----	31,242,349	659,753
1980-----	36,151,053	699,175	1985-----	36,375,907	589,161

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
TOTAL-----	36,373,907	9,438,127	7,523,743	7,697,202	3,191,250	978,097	4,365,143	3,183,345
0101 COTTON, RAW-----	311,855	-----	311,855	-----	-----	-----	-----	-----
0102 BARLEY AND RYE-----	89	38	56	-----	-----	-----	-----	-----
0103 CORN-----	72,827	-----	72,827	-----	-----	-----	-----	-----
0105 RICE-----	22,113	10,512	3,250	41	310	-----	-----	-----
0106 SORGHUM GRAINS-----	1,280	-----	1,280	-----	-----	-----	-----	-----
0107 WHEAT-----	7,315	54	7,261	-----	-----	-----	-----	-----
0111 SOYBEANS-----	6,861	-----	6,861	-----	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	3,410	565	2,845	-----	-----	-----	-----	-----

Waterborne Commerce of the United States, 1985

LOS ANGELES HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	COASTWISE	INTERNAL	
				RECEIPTS	SHIPMENTS	
				RECEIPTS	SHIPMENTS	
0121 TOBACCO, LEAF-----	2,785	538	2,247			
0129 FIELD CROPS, NEC-----	28,978	13,666	15,312			
0131 FRESH FRUITS-----	227,522	3,327	164,645	49,771	9,779	
0132 BANANAS AND PLANTAINS-----	295,064	289,250	17		5,797	
0133 COFFEE-----	13,619	13,275	206	27	111	
0134 COCOA BEANS-----	80	77	3			
0141 FRESH AND FROZEN VEGETABLES-----	60,666	7,574	15,918	1,953	38,221	
0151 LIVE ANIMALS-----	173	18	5		150	
0161 ANIMALS AND PRODUCTS, NEC-----	11,695	2,762	7,830		563	
0191 MISCELLANEOUS FARM PRODUCTS-----	1,929	1,225	704			
0861 CRUDE RUBBER AND ALLIED GUMS-----	24,819	24,688	175			
0861 FOREST PRODUCTS, NEC-----	11,225	5,812	1,062	2,568	3	
0911 FRESH FISH, EXCEPT SHELLFISH-----	96,913	25,699	1,820		70,194	
0912 SHELLFISH, EXCEPT PREPARED-----	35,691	25,237	2,447	2,672	2,472	
0931 MARINE SMELLS, UNMANUFACTURED-----	957	430	527			
1021 COPPER ORE AND CONCENTRATES-----	177,372	19,492	157,880			
1051 ALUMINUM ORES, CONCENTRATES-----	6,310	5,371	939			
1061 MANGANESE ORES, CONCENTRATES-----	25	25	25			
1091 NONFERROUS ORES, CONCENT, NEC-----	15,238	11,020	3,263		555	
1121 COAL AND LIGNITE-----	926,865		926,865			
1311 CRUDE PETROLEUM-----	3,705,110	966,021		2,640,683	75,979	9,607
1411 LIMESTONE-----	1,344	1,277	67			18,820
1412 BUILDING STONE, UNWORKED-----	183		183			
1482 SAND, GRAVEL, CRUSHED ROCK-----	8,754	2,739	4,815		1,200	
1491 CLAY-----	8,897	1,431	5,172		294	
1491 PHOSPHATE ROCK-----	46,336		46,336			
1491 SALT-----	279	255	24			
1492 SULPHUR, DRY-----	180,635		180,635			
1496 GYPSUM, CRUF AND PLASTER-----	4,450	50	1,038		3,762	
1499 NONMETALLIC MINERALS, NEC-----	96,883	3,946	92,937			
1911 ORDNANCE AND ACCESSORIES-----	2,174	892	1,282			
2011 MEAT, FRESH, CHILLED, FROZEN-----	155,747	19,812	75,354	804	59,777	
2012 MEAT AND PRODUCTS, NEC-----	29,465	25,582	3,883			
2016 TALLOW, ANIMAL FATS AND OILS-----	17,400		17,400			
2015 ANIMAL BY-PRODUCTS, NEC-----	131,797	24	131,071	702		
2021 DAIRY PRODUCTS, NEC-----	5,649	2,811	215		2,823	
2022 DRIED MILK AND CREAM-----	492	59	433			
2031 FISH AND SHELLFISH, PREPARED-----	45,050	42,541	2,509			
2034 VEGETABLES AND PREP, NEC-----	79,272	36,618	7,692	7,859	37,193	
2039 PREP FRUIT AND VEG JUICE, NEC-----	198,673	93,979	29,591	73,668	3,435	
2041 WHEAT FLOUR AND SEMOLINA-----	548		280		268	
2042 ANIMAL FEEDS-----	238,334	7,452	207,888		22,798	
2049 GRAIN MILL PRODUCTS, NEC-----	54,716	12,735	41,906		75	
2061 SUGAR-----	121	46	75			
2062 MOLASSES-----	172,327	13,779	2,603	74,827		13,920
2081 ALCOHOLIC BEVERAGES-----	209,123	125,922	8,669	249	74,283	67,194
2091 VEGETABLE OILS, MARG, SHORT-----	52,389	38,304	4,609		9,476	
2092 ANIMAL OILS AND FATS, NEC-----	1,566	1,561	5			
2094 GROCERIES-----	25,886			155	24,645	775
2095 ICE-----	7,377	7,377				311
2099 MISCELLANEOUS FOOD PRODUCTS-----	98,964	59,402	35,041	915	12,408	
2111 TOBACCO MANUFACTURES-----	3,252	386	1,321	5	1,540	
2111 BASIC TEXTILE PRODUCTS-----	132,727	114,601	15,606	25	3,105	
2121 TEXTILE FIBERS, NEC-----	2,545	279	2,266			
2311 APPAREL-----	179,739	179,070	669			
2411 LOGS-----	5,307	5,160	147			
2413 FUEL WOOD, CHARCOAL, WASTES-----	2,001	37	718	25	1,221	
2414 TIMBER, POSTS, POLES, PILING-----	12,574	12,574				
2416 WOOD CHIPS, STAVES, HOLDINGS-----	74	14	64			
2421 LUMBER-----	225,623	188,293	3,164	29,914	3,001	412
2431 VENEER, PLYWOOD, WORKED WOOD-----	64,495	63,961	333		201	
2491 WOOD MANUFACTURES, NEC-----	47,342	40,987	5,997		354	4
2511 FURNITURE AND FIXTURES-----	195,477	157,360	2,356	23,513	12,248	
2611 PULP-----	8,827	143	9,648			
2621 STANDARD NEWSPRINT PAPER-----	168,620	168,255	165			
2631 PAPER AND PAPERBOARD-----	125,342	97,406	23,788		3,448	
2691 PULP AND PAPER PRODUCTS, NEC-----	36,637	15,398	6,648	29	16,766	
2711 PRINTED MATTER-----	35,505	24,334	8,054		2,897	
2810 SODIUM HYDROXIDE-----	112,413			112,413		
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	40,715	9,476	225	1,818	29,196	
2812 DYES, PIGMENT, TANNING MATS-----	602		602			
2813 ALCOHOLS-----	50,612	12,047	1,642	36,923		
2816 RADIOACTIVE MATERIALS, WASTES-----	577	91	123	363		
2817 BENZENE AND TOLUENE-----	35,330	35,235	104			
2819 BASIC CHEMICALS AND PROD, NEC-----	1,010,683	369,300	563,608	40,676	37,095	4
2821 PLASTIC MATERIALS-----	189,990	97,511	91,199		1,280	
2822 SYNTHETIC RUBBER-----	13,587	4,707	8,880			
2823 SYNTHETIC (MAN-MADE) FIBERS-----	12,724	5,489	7,235			
2831 DRUGS-----	11,302	5,403	6,558		1,241	
2841 SOAP-----	32,135	5,492	15,098	28	10,517	
2851 PAINTS-----	28,590	14,431	7,621	123	6,415	
2861 GUM AND WOOD CHEMICALS-----	2,050		2,010			
2871 NITROGENOUS CHEM FERTILIZERS-----	21,696	19,033	869		1,994	
2872 POTASSIUM CHEM FERTILIZERS-----	24,138	40	24,098			
2876 INSECTICIDES, DISINFECTANTS-----	8,999	1,145	7,155	13	646	
2879 FERTILIZER AND MATERIALS, NEC-----	959	220	739			
2891 MISCELLANEOUS CHEMICAL PROD-----	42,165	6,499	23,178	10,490	1,798	
2911 GASOLINE-----	2,446,339	463,543	35,400	1,717,712	213,271	16,413
2912 JET FUEL-----	332,501	22,998	3,573	152,163	153,767	
2913 KEROSENE-----	8		8			
2914 DISTILLATE FUEL OIL-----	2,042,667	45,772	490,843	811,305	498,196	52,280
2915 RESIDUAL FUEL OIL-----	11,549,587	160,481	1,046,187	1,216,726	1,436,164	595,471
2916 LUBRICATING OILS AND GREASES-----	521,574	86,075	48,081	287,527	74,738	4,272,486
2917 NAPHTHA, PETROLEUM SOLVENTS-----	61,720	41,295	457	14,734	5,234	8,552

LOS ANGELES, CA, DISTRICT

7

LOS ANGELES HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2918 ASPHALT, TAR, AND PITCHES-----	8,525	2	164	1,320	7,039			
2920 COKE, PETROLEUM COKE-----	460,158		460,158					
2921 LIQUEFIED GASES-----	47,048	46,340	720					
2951 ASPHALT BUILDING MATERIALS-----	466		466					
2991 PETROLEUM AND COAL PROD, NEC-----	97,462	51	1,029	81,393	11,507	1,265	1,076	1,341
3011 RUBBER AND MISC PLASTIC PROD-----	292,708	275,062	13,440	147	4,059			
3111 LEATHER AND LEATHER PRODUCTS-----	142,553	132,906	9,647					
3211 GLASS AND GLASS PRODUCTS-----	50,789	44,204	4,306		2,279			
3241 BUILDING CEMENT-----	88,102	84,324	129		3,649			
3251 STRUCTURAL CLAY PRODUCTS-----	119,908	116,317	2,174		1,417			
3271 LIME-----	12		12					
3281 CUT STONE AND STONE PRODUCTS-----	55,990	55,143	228		619			
3291 MISC NONMETALLIC MINERAL PROD-----	113,339	84,320	4,724	19	24,276			
3311 PIG IRON-----	5,434	5,415	19					
3312 SLAG-----	1,066				1,066			
3314 IRON AND STEEL PRIMARY FORMS-----	17,622	12,890	4,723					
3315 IRON, STEEL SHAPES, EXC SHEET-----	959,463	959,623	840					
3316 IRON AND STEEL PLATES, SHEETS-----	21,362	15,087	3,482		2,793			
3317 IRON AND STEEL PIPE AND TUBE-----	306,173	297,613	3,866		5,890			
3318 FERROALLOYS-----	29,490	28,172	1,318					
3319 IRON AND STEEL PRODUCTS, NEC-----	35,738	18,350	17,388					
3321 NONFERROUS METALS, NEC-----	11,390	3,816	7,574					
3322 COPPER ALLOYS, UNWORKED-----	37,187	22,535	14,652					
3323 LEAD AND ZINC, UNWORKED-----	10,847	9,005	1,727		75			
3324 ALUMINUM AND ALLOYS, UNWORKED-----	43,388	34,326	9,058					
3411 FABRICATED METAL PRODUCTS-----	501,709	468,524	20,939	923	11,285	7	29	2
3511 MACHINERY, EXCEPT ELECTRICAL-----	509,819	442,455	62,563	897	3,750	5	128	21
3611 ELECTRICAL MACH AND EQUIP-----	662,957	629,876	29,798	57	3,226			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	978,598	915,630	18,078	19,072	29,818			
3721 AIRCRAFT AND PARTS-----	4,644	1,591	3,120	1	22			
3731 SHIPS AND BOATS-----	10,214	7,812	2,205	29	168			
3791 MISC TRANSPORTATION EQUIPMENT-----	5,466	1,291	1,910		245			
3811 INSTR, TIME, PHOTO, OPT GOODS-----	63,304	53,603	9,703					
3911 MISC MANUFACTURED PRODUCTS-----	279,814	259,912	6,888		7,292			
4011 IRON AND STEEL SCRAP-----	1,240,087	82	1,245,001	3,004				
4012 NONFERROUS METAL SCRAP-----	144,354	454	143,900					
4022 TEXTILE WASTE, SCRAP, SHEEP-----	17,616	10	17,606					
4024 PAPER WASTE AND SCRAP-----	303,659	1	303,621	37				
4029 WASTE AND SCRAP, NEC-----	677,585			267,483	248,300			163,802
4111 WATER-----	3,921				688		76	3,159
4112 COMMODITIES, NEC-----	224,261	17,249	20,651	6,765	179,533	16	67	
4119 EMPTY CONTAINERS-----	2,620			1,909	710	1		
9999 DEPARTMENT OF DEFENSE AND SCI-----	8,011		8,011					

PORT HUENEME, CALIF.

SECTION INCLUDED: HARBOR AT PORT HUENEME. PROJECT DEPTHS: 40 FEET IN APPROACH CHANNEL; 36 FEET IN ENTRANCE CHANNEL; 35 FEET IN CHANNEL BASIN AND CHANNEL A. CONTROLLING DEPTH: 36 FEET IN APPROACH CHANNEL; 34 FEET IN ENTRANCE CHANNEL; 31 FEET IN CENTRAL BASIN AND CHANNEL A.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1974-----	1,452,057	1981-----	1,527,774
1977-----	1,875,743	1982-----	358,719
1978-----	958,668	1983-----	203,746
1979-----	1,180,420	1984-----	348,514
1980-----	1,405,744	1985-----	1,139,852

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	1,139,852	940,006	32,187	68,417	89,767	9,456	19
0103 CORN-----	5		5				
0107 MEAT-----	24,064		24,064				
0129 FIELD CROPS, NEC-----	115		115				
0131 FRESH FRUITS-----	6,852		6,852				
0132 BANANAS AND PLANTAINS-----	181,204	181,204					
0911 FRESH FISH, EXCEPT SHELLFISH-----	6,723					6,723	
0912 SHELLFISH, EXCEPT PREPARED-----	3,026	293				2,733	
1311 CRUDE PETROLEUM-----	576,579	576,579					
1451 CLAY-----	6,035			1,751	4,288		
1491 SALT-----	12					12	
1499 NONMETALLIC MINERALS, NEC-----	2,511		82	1,699	1,821		19
2039 PREP FRUIT AND VEG JUICE, NEC-----	114						
2094 GROCERIES-----	184				184		
2099 MISCELLANEOUS FOOD PRODUCTS-----	38			1	37		
2211 BASIC TEXTILE PRODUCTS-----	11	11					
2311 APPAREL-----	18	18					
2421 LUMBER-----	4,218			4,218			
2491 WOOD MANUFACTURED, NEC-----	820			295	415		

Waterborne Commerce of the United States, 1985

PORT HUENEME, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
2511 FURNITURE AND FIXTURES-----	44	43	1	-----	-----	-----	-----
2611 PULP-----	35,062	35,062	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	4	-----	4	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	827	-----	827	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	27,192	26,120	23	245	886	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	9	-----	-----	-----	9	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	127	-----	127	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	62	-----	-----	1	61	-----	-----
2915 REDUCED FUEL OIL-----	3,312	-----	-----	3,312	-----	-----	-----
2916 LUBRICATING OILS AND GREASES-----	1	-----	1	-----	-----	-----	-----
2921 LIQUEFIED GASES-----	3	-----	-----	-----	3	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	965	-----	-----	965	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	19	11	7	1	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	10	10	-----	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	7	-----	-----	1	6	-----	-----
3241 BUILDING CEMENT-----	2,340	-----	-----	581	1,759	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	5	-----	-----	-----	5	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	2,381	-----	-----	1,236	1,145	-----	-----
3411 FABRICATED METAL PRODUCTS-----	2,666	46	1	1,169	1,496	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	5,663	20	-----	3,532	2,131	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	29	17	-----	7	5	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	120,393	120,393	-----	-----	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	1	1	-----	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	9	9	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	20,107	35	-----	-----	20,052	-----	-----
4029 WASTE AND SCRAP, NEC-----	9,726	-----	-----	9,715	11	-----	-----
4111 WATER-----	93,993	-----	-----	39,777	54,216	-----	-----
4112 COMMODITIES, NEC-----	1,703	-----	98	395	1,210	-----	-----
4119 EMPTY CONTAINERS-----	641	-----	-----	296	345	-----	-----

LOS ANGELES, CA, DISTRICT

9

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT				
MISSION BAY, CALIF.,-----	NO COMMERCE REPORTED			
MORRO BAY HARBOR, CALIF.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	6,289		
	0912 SHELLFISH, EXCEPT PREPARED-----	142		
	TOTAL-----	6,371		
NEWPORT BAY HARBOR, CALIF.,-----	4029 WASTE AND SCRAP, NEC-----	23,100		
REDONDO BEACH, CALIF.,-----	NO COMMERCE REPORTED			
SANTA BARBARA HARBOR, CALIF.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	6,191		
	0912 SHELLFISH, EXCEPT PREPARED-----	130		
	TOTAL-----	6,325		
NONPROJECT				
ELLWOOD, CALIF.,-----	1311 CRUDE PETROLEUM-----	540,075		
	1402 SAND, GRAVEL, CRUSHED ROCK-----	2		
	1451 CLAY-----	6,175		
	1491 SALT-----	24		
	1499 NONMETALLIC MINERALS, NEC-----	2,430		
	2094 GROCERIES-----	166		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	30		
	2491 WOOD MANUFACTURES, NEC-----	825		
	2691 PULP AND PAPER PRODUCTS, NEC-----	3		
	2819 BASIC CHEMICALS AND PROD, NEC-----	1,051		
	2872 POTASSIUM CHEM FERTILIZERS-----	4		
	2914 DISTILLATE FUEL OIL-----	62		
	2915 RESIDUAL FUEL OIL-----	9,322		
	2921 LIQUEFIED GASES-----	3		
	2991 PETROLEUM AND COAL PROD, NEC-----	4,275		
	3011 RUBBER AND MISC PLASTIC PROD-----	1		
	3211 GLASS AND GLASS PRODUCTS-----	8		
	3241 BUILDING CEMENT-----	2,423		
	3315 IRON, STEEL SHAPES, EXC SHEET-----	5		
	3317 IRON AND STEEL PIPE AND TUBE-----	2,514		
	3411 FABRICATED METAL PRODUCTS-----	2,460		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	4,680		
	3611 ELECTRICAL MACH AND EQUIP-----	13		
	3911 MISC MANUFACTURED PRODUCTS-----	26,314		
	4029 WASTE AND SCRAP, NEC-----	10,421		
	4111 WATER-----	93,905		
	4112 COMMODITIES, NEC-----	6,073		
	4119 EMPTY CONTAINERS-----	602		
	TOTAL-----	714,060		

Waterborne Commerce of the United States, 1985

SACRAMENTO, CA, DISTRICT

SACRAMENTO RIVER, CALIF. (INCLUDING COMMENCE OF
SACRAMENTO RIVER DEEPWATER SHIP CHANNEL AND THE
PORT OF SACRAMENTO, CALIF.)

SECTION INCLUDED: FROM MOUTH OF RIVER TO RED BLUFF VIA RIVER ROUTE, A DISTANCE OF 240 MILES; FROM MOUTH OF CACHE SLOUGH TO WASHINGTON LAKE VIA SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, A DISTANCE OF 29.9 MILES. CONTROLLING DEPTHS: MOUTH OF RIVER TO CACHE SLOUGH, 29 FEET; MOUTH OF CACHE SLOUGH TO WASHINGTON LAKE VIA SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, 29 FEET; MOUTH OF CACHE SLOUGH TO SACRAMENTO VIA RIVER ROUTE, 10 FEET; SACRAMENTO TO COLUSA, 6 FEET IN LOW WATER SEASON; COLUSA TO CHICO LANDING, 3 FEET; CHICO LANDING TO RED BLUFF, 1.5 FEET. PROJECT DEPTHS: 30 FEET FROM MOUTH OF RIVER TO CACHE SLOUGH; 30 FEET FROM CACHE SLOUGH TO WASHINGTON LAKE VIA SACRAMENTO RIVER DEEPWATER SHIP CHANNEL; 10 FEET FROM MOUTH OF CACHE SLOUGH TO SACRAMENTO VIA RIVER ROUTE; 6 FEET FROM SACRAMENTO TO COLUSA; 5 FEET FROM COLUSA TO CHICO LANDING; SUCH DEPTHS AS PRACTICABLE FROM CHICO LANDING TO RED BLUFF.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1976-----	1,756,051	1981-----	3,118,927
1977-----	1,602,291	1982-----	2,016,475
1978-----	1,760,717	1983-----	1,838,583
1979-----	2,065,089	1984-----	1,648,768
1980-----	2,964,769	1985-----	1,749,348

* PASSENGERS--8,611.

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC			
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL-----	1,749,348	213,815	980,514	253,688	48,203	46,700	202,428	2,000	2,000
0105 RICE-----	543,363		498,299		45,064				
0106 BORSUM GRAINS-----	44		44						
0107 WHEAT-----	112,827		112,827						
0119 OILSEEDS, NEC-----	24,111		24,111						
0129 FIELD CROPS, NEC-----	1		1						
0131 FRESH FRUITS-----	36		36						
1121 COAL AND LIGNITE-----	25,456	25,456							
1442 SAND, GRAVEL, CRUSHED ROCK-----	13,500						13,500		
2015 ANIMAL BY-PRODUCTS, NEC-----	20		20						
2022 DRIED MILK AND CREAM-----	5,732		5,732						
2034 VEGETABLES AND PREP, NEC-----	58	19	39						
2039 PREP FRUIT AND VEG JUICE, NEC-----	1		1						
2042 ANIMAL FEEDS-----	16,003		16,003						
2049 GRAIN MILL PRODUCTS, NEC-----	2		2						
2061 SUGAR-----	6,384	6,384							
2081 ALCOHOLIC BEVERAGES-----	57	39	18						
2099 MISCELLANEOUS FOOD PRODUCTS-----	15,971		15,971						
2111 TOBACCO MANUFACTURES-----	1	1							
2111 BASIC TEXTILE PRODUCTS-----	244		244						
2111 APPAREL-----	37	28	9						
2111 LOGS-----	74,836		74,836						
2414 TIMBER, POLES, POLES, PILING-----	1,000					1,000			
2414 WOOD CHIPS, STAVES, HOLDINGS-----	225,786		225,786						
2491 WOOD MANUFACTURES, NEC-----	31	14	17						
2511 FURNITURE AND FIXTURES-----	126	126							
2621 STANDARD NEWSPRINT PAPER-----	15,020	15,020							
2631 PAPER AND PAPERBOARD-----	343	343							
2711 PRINTED MATTER-----	26	4	22						
2819 BASIC CHEMICALS AND PROD, NEC-----	172,202	37,090	4,331	150,781					
2821 PLASTIC MATERIALS-----	3	2	1						
2841 SOAP-----	5	5							
2871 NITROGENOUS CHEM FERTILIZERS-----	244,167	121,260		122,907					
2872 POTASSIC CHEM FERTILIZERS-----	3,712	3,712							
2879 FERTILIZER AND MATERIALS, NEC-----	3,943	3,943							
2901 MISCELLANEOUS CHEMICAL PROD-----	3		3						
2916 LUBRICATING OILS AND GREASES-----	4		4						
2991 PETROLEUM AND COAL PROD, NEC-----	3,139			3,139					
3011 RUBBER AND MISC PLASTIC PROD-----	87	13	74						
3111 LEATHER AND LEATHER PRODUCTS-----	29	29							
3211 GLASS AND GLASS PRODUCTS-----	10	10							
3201 CUT STONE AND STONE PRODUCTS-----	22	22							
3291 MISC NONMETALLIC MINERAL PROD-----	119,831	1	51			1,000	113,779		
3315 IRON, STEEL SHAPES, EXC SHEET-----	249						249		
3319 IRON AND STEEL PRODUCTS, NEC-----	1		1						
3322 COPPER ALLOYS, UNWORKED-----	8	6	2						
3411 FABRICATED METAL PRODUCTS-----	107	21	86						
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,020		1,320			800	500		
3611 ELECTRICAL MACH AND EQUIP-----	113	37	76						
3711 MOTOR VEHICLES, PARTS, EQUIP-----	11		11						
3751 SHIPS AND BOATS-----	2		2						
3811 INSTR, TIME, PHOTO, OPT GOODS-----	72	45	27						
3911 MISC MANUFACTURED PRODUCTS-----	175	175							
4011 IRON AND STEEL SCRAP-----	193		193						
4012 NONFERROUS METAL SCRAP-----	41		41						
4020 PAPER WASTE AND SCRAP-----	236		236						
4029 WASTE AND SCRAP, NEC-----	4,000					1,000	2,000		1,000
4122 COMMODITIES, NEC-----	37	18	27						
4110 WATERWAY IMPROVEMENT MAT-----	113,300					17,000	78,000		1,000
TOTAL TON-MILES-----	68,834,376								

SACRAMENTO, CA, DISTRICT

11

SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CALIF. (INCLUDED IN SACRAMENTO RIVER, CALIF.)

SECTION INCLUDED: A DEEPWATER SHIP CHANNEL FROM SUIUN BAY TO THE INLAND HARBOR AT SACRAMENTO, A DISTANCE OF 43 MILES; A TRIANGULAR-SHAPED DEEP DRAFT HARBOR AND TURNING BASIN LOCATED AT WEST SACRAMENTO; A 1.5 MILE-LONG BARGE CANAL WITH NAVIGATION LOCK CONNECTING THE DEEP DRAFT HARBOR WITH THE SACRAMENTO RIVER. CONTROLLING DEPTH: 20 FEET IN THE DEEPWATER SHIP CHANNEL AND TRIANGULAR-SHAPED HARBOR AND TURNING BASIN; 13 FEET IN THE BARGE CANAL. PROJECT DEPTH: 30 FEET IN THE DEEPWATER SHIP CHANNEL AND TRIANGULAR-SHAPED HARBOR AND TURNING BASIN; 13 FEET IN THE BARGE CANAL.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1976	1,622,140	1981	3,111,912
1977	1,481,220	1982	1,920,115
1978	1,550,182	1983	1,833,850
1979	1,770,124	1984	1,622,721
1980	2,048,882	1985	1,493,081

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL	1,493,081	213,015	980,510	253,600	45,064
0105 RICE	503,363		500,200		45,064
0106 SORGHUM GRAINS	80		80		
0107 WHEAT	112,027		112,027		
0110 OILSEEDS, NEC	24,111		24,111		
0120 FIELD CROPS, NEC	1		1		
0131 FRESH FRUITS	36		36		
1121 COAL AND LIGNITE	25,456	25,456			
2015 ANIMAL BY-PRODUCTS, NEC	20		20		
2022 DRIED MILK AND CREAM	5,732		5,732		
2034 VEGETABLES AND PREP, NEC	50	10	10		
2039 PREP FRUIT AND VEG JUICE, NEC	1		1		
2042 ANIMAL FEEDS	10,003		10,003		
2049 GRAIN MILL PRODUCTS, NEC	2		2		
2061 SUGAR	6,384	6,384			
2081 ALCOHOLIC BEVERAGES	57	30	10		
2099 MISCELLANEOUS FOOD PRODUCTS	15,971		15,971		
2111 TOBACCO MANUFACTURES	1	1			
2111 BASIC TEXTILE PRODUCTS	244		244		
2111 APPAREL	37	20			
2411 LOGS	74,036		74,036		
2416 WOOD CHIPS, STAVES, HOLDINGS	225,786		225,786		
2491 WOOD MANUFACTURES, NEC	31	14	17		
2511 FURNITURE AND FIXTURES	126	126			
2621 STANDARD NEWSPRINT PAPER	15,020	15,020			
2631 PAPER AND PAPERBOARD	343	343			
2711 PRINTED MATTER	26	4	22		
2819 BASIC CHEMICALS AND PROD, NEC	172,202	37,000	4,331	130,781	
2821 PLASTIC MATERIALS	5	2	1		
2841 SOAP	5	5			
2871 NITROGENOUS CHEM FERTILIZERS	240,167	121,260		122,907	
2872 POTASSIC CHEM FERTILIZERS	3,712	3,712			
2879 FERTILIZER AND MATERIALS, NEC	3,043	3,043			
2891 MISCELLANEOUS CHEMICAL PROD	5		5		
2916 LUBRICATING OILS AND GREASES	6		6		
3011 RUBBER AND MISC PLASTIC PROD	87	13	74		
3111 LEATHER AND LEATHER PRODUCTS	20	20			
3211 GLASS AND GLASS PRODUCTS	10	10			
3201 CUT STONE AND STONE PRODUCTS	22	22			
3291 MISC NONMETALLIC MINERAL PROD	92	1	51		
3310 IRON AND STEEL PRODUCTS, NEC	1		1		
3322 COPPER ALLOYS, UNWORKED	0	6	1		
3411 FABRICATED METAL PRODUCTS	107	21	86		
3511 MACHINERY, EXCEPT ELECTRICAL	1,320		1,320		
3611 ELECTRICAL MACH AND EQUIP	113	37	76		
3711 MOTOR VEHICLES, PARTS, EQUIP	11		11		
3731 SHIPS AND BOATS	2		2		
3811 INSTR, TIME, PHOTO, OPT GOODS	72	45	27		
3911 MISC MANUFACTURED PRODUCTS	175	175			
4011 IRON AND STEEL SCRAP	193		193		
4012 NONFERROUS METAL SCRAP	41		41		
4024 PAPER WASTE AND SCRAP	236		236		
4112 COMMODITIES, NEC	37	10	27		
TOTAL TON-MILES	61,216,521				

SACRAMENTO, CALIF. (INCLUDED IN SACRAMENTO RIVER, CALIF.)

SECTION INCLUDED: A TRIANGULAR-SHAPED HARBOR AND TURNING BASIN AT WASHINGTON LAKE, WEST SACRAMENTO, ADJACENT TO CHANNEL; A CONNECTING BARGE CANAL TO THE SACRAMENTO RIVER SHALLOW DRAFT CHANNEL; THENCE UPSTREAM TO A POINT APPROXIMATELY 6.6 MILES UPSTREAM AT BRYTE, CONTROLLING DEPTH: 29 FEET IN THE DEEPWATER CHANNEL HARBOR AND TURNING BASIN; 13 FEET IN THE CONNECTING BARGE CANAL; 10 FEET IN THE SHALLOW DRAFT CHANNEL. PROJECT DEPTH: 30 FEET IN THE DEEPWATER CHANNEL HARBOR AND TURNING BASIN; 15 FEET IN THE CONNECTING BARGE CANAL; 10 FEET IN THE SHALLOW DRAFT CHANNEL.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1976-----	1,622,313	1981-----	3,113,425
1977-----	1,681,601	1982-----	1,948,965
1978-----	1,657,631	1983-----	1,822,496
1979-----	2,030,770	1984-----	1,622,929
1980-----	2,948,882	1985-----	1,497,020

* PASSENGERS--7,150.

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWIDE		INVERNAL
				RECEIPTS	SHIPMENTS	RECEIPTS
TOTAL-----	1,497,020	213,815	980,514	253,688	46,203	800
0105 RICE-----	343,363	-----	498,299	-----	45,064	-----
0106 BROWN GRAIN-----	88	-----	88	-----	-----	-----
0107 WHEAT-----	112,627	-----	112,627	-----	-----	-----
0110 OILSEEDS, NEC-----	26,111	-----	26,111	-----	-----	-----
0120 FIELD CROPS, NEC-----	1	-----	1	-----	-----	-----
0131 FRESH FRUITS-----	36	-----	36	-----	-----	-----
1121 COAL AND LIGNITE-----	25,456	25,456	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	20	-----	20	-----	-----	-----
2022 DRIED MILK AND CREAM-----	5,732	-----	5,732	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	58	19	39	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	1	-----	1	-----	-----	-----
2042 ANIMAL FEEDS-----	16,003	-----	16,003	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	2	-----	2	-----	-----	-----
2061 SUGAR-----	6,384	6,384	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	57	-----	57	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	15,971	-----	15,971	-----	-----	-----
2111 TOBACCO MANUFACTURES-----	1	1	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	244	-----	244	-----	-----	-----
2311 APPAREL-----	37	20	9	-----	-----	-----
2411 LOGS-----	74,836	-----	74,836	-----	-----	-----
2416 WOOD CHIPS, STAVES, HOLDINGS-----	225,786	-----	225,786	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	31	14	17	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	126	126	-----	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	15,020	15,020	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	343	343	-----	-----	-----	-----
2711 PRINTED MATTER-----	26	4	22	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	172,202	37,090	4,331	130,781	-----	-----
2821 PLASTIC MATERIALS-----	3	2	1	-----	-----	-----
2861 SOAP-----	5	5	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	244,167	121,260	-----	122,907	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	3,712	3,712	-----	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	3,943	3,943	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	3	-----	3	-----	-----	-----
2916 LUBRICATING OILS AND GREASES-----	6	-----	6	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	3,130	-----	-----	-----	3,130	-----
3011 RUBBER AND MISC PLASTIC PROD-----	87	13	74	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	20	20	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	10	10	-----	-----	-----	-----
3201 CUT STONE AND STONE PRODUCTS-----	22	22	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	52	1	51	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	1	-----	1	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	8	-----	8	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	107	21	86	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,128	-----	1,324	-----	-----	804
3611 ELECTRICAL MACH AND EQUIP-----	113	37	76	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	11	-----	11	-----	-----	-----
3731 SHIPS AND BOATS-----	2	-----	2	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	72	65	27	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	175	175	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	193	-----	193	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	41	-----	41	-----	-----	-----
4020 PAPER WASTE AND SCRAP-----	236	-----	236	-----	-----	-----
4112 COMMODITIES, NEC-----	37	10	27	-----	-----	-----

SACRAMENTO, CA, DISTRICT

13

SAN JOAQUIN RIVER, CALIF. (INCLUDING COMMERCE OF
PORT OF STOCKTON, CALIF.)

SECTION INCLUDED: FROM MOUTH OF NEW YORK BLOUGH TO CITY OF STOCKTON, 41 MILES; FROM STOCKTON CHANNEL TO HILLS FERRY, 84 MILES.
CONTROLLING DEPTH: MOUTH OF RIVER TO MORMON CHANNEL, STOCKTON, 35 FEET; OTHER CONNECTING CHANNELS, 2 FEET TO 9 FEET; TO EDISON STREET,
22 FEET. PROJECT DEPTH: 35 FEET FROM THE MOUTH OF NEW YORK BLOUGH TO MORMON CHANNEL AT STOCKTON; 30 FEET FROM MORMON CHANNEL TO EDISON
STREET; OTHER CONNECTING CHANNELS, 9 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1976-----	4,603,914	1981-----	3,883,148
1977-----	3,507,137	1982-----	2,790,139
1978-----	2,638,522	1983-----	3,277,363
1979-----	3,104,550	1984-----	2,423,372
1980-----	3,920,171	1985-----	2,516,620

• PASSENGERS--5,032.

FREIGHT TRAFFIC, 1985

FOREIGN

(SHORT TONS)

COMMODITY	TOTAL	IMPORTS	EXPORTS
TOTAL-----	1,722,466	810,657	911,809
0101 COTTON, RAW-----	14,193		14,193
0107 WHEAT-----	134,445		134,445
0119 OILSEEDS, NEC-----	1,739		1,739
0131 FRESH FRUITS-----	13		13
0141 FRESH AND FROZEN VEGETABLES-----	137		137
1051 ALUMINUM ORES, CONCENTRATES-----	9,760	9,760	
1091 NONFERROUS ORES, CONCENT, NEC-----	2,205	2,205	
1451 CLAY-----	9,934		9,934
1492 SULPHUR, DRY-----	107,760		107,760
1494 GYPSUM, CRUD AND PLASTER-----	450,752	450,752	
2011 MEAT, FRESH, CHILLED, FROZEN-----	43		43
2012 MEAT AND PRODUCTS, NEC-----	35	21	14
2022 DRIED MILK AND CREAM-----	6,432		6,432
2034 VEGETABLES AND PREP, NEC-----	23	19	4
2039 PREP FRUIT AND VEG JUICE, NEC-----	656		195
2042 ANIMAL FEEDS-----	8,257	8,254	23
2061 SUGAR-----	6,096	6,096	
2062 MOLASSES-----	12,302	12,302	
2081 ALCOHOLIC BEVERAGES-----	62	61	1
2099 MISCELLANEOUS FOOD PRODUCTS-----	16,455		16,455
2111 TOBACCO MANUFACTURES-----	1	1	
2211 BASIC TEXTILE PRODUCTS-----	20	20	
2311 APPAREL-----	2	2	
2611 LOGS-----	35	35	
2691 WOOD MANUFACTURES, NEC-----	20	20	
2911 FURNITURE AND FIXTURES-----	41	41	
2691 PULP AND PAPER PRODUCTS, NEC-----	2	2	
2711 PRINTED MATTER-----	4	4	
2819 BASIC CHEMICALS AND PROD, NEC-----	141,846	141,832	14
2821 PLASTIC MATERIALS-----	21	2	19
2841 SOAP-----	3	1	2
2951 PAINTS-----	4		4
2971 NITROGENOUS CHEM FERTILIZERS-----	41,108	41,108	
2976 INSECTICIDES, DISINFECTANTS-----	11		11
2979 FERTILIZER AND MATERIALS, NEC-----	9,284	6,139	3,145
2981 MISCELLANEOUS CHEMICAL PROD-----	20	20	
2915 RESIDUAL FUEL OIL-----	30,513		30,513
2920 COKE, PETROLEUM COKE-----	481,236		481,236
3011 RUBBER AND MISC PLASTIC PROD-----	49	41	8
3111 LEATHER AND LEATHER PRODUCTS-----	5	5	
3211 GLASS AND GLASS PRODUCTS-----	1	1	
3241 BUILDING CEMENT-----	86,107	86,107	
3291 MISC NONMETALLIC MINERAL PROD-----	79	79	
3315 IRON, STEEL SHAPES, EXC SHEET-----	10,455	10,455	
3317 IRON AND STEEL PIPE AND TUBE-----	147	124	23
3322 COPPER ALLOYS, UNWORKED-----	23	23	
3411 FABRICATED METAL PRODUCTS-----	453	88	365
3511 MACHINERY, EXCEPT ELECTRICAL-----	808	296	602
3611 ELECTRICAL MACH AND EQUIP-----	49	30	19
3711 MOTOR VEHICLES, PARTS, EQUIP-----	5	5	4
3731 SHIPS AND BOATS-----	3		3
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1	1	
3911 MISC MANUFACTURED PRODUCTS-----	5	5	
4011 IRON AND STEEL SCRAP-----	96,829		96,829
4012 NONFERROUS METAL SCRAP-----	34,351	34,351	
4112 COMMODITIES, NEC-----	6		6
TONS=ILES, FOREIGN, 32,453,059.			

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL				THROUGH
		RECEIPTS	SHIPMENTS	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	DOWNBOUND
TOTAL-----	796,162	41,398	104,647	298,770	190,547	18,760	6,000	84,100
0103 CORN-----	8,642		8,642					
0801 FOREST PRODUCTS, NEC-----	600				600			

Waterborne Commerce of the United States, 1985

SAN JOAQUIN RIVER, CALIF. (INCLUDING COMMERCE OF
PORT OF STOCKTON, CALIF.)--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL			
		RECEIPTS	SHIPMENTS	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
1402 SAND, GRAVEL, CRUSHED ROCK-----	165,600				165,600		
1491 SALT-----	132,000			132,000			
2014 TIMBER, POSTS, POLES, PILING-----	2,000				2,000		
2010 SODIUM HYDROXIDE-----	86,019	48,227	30,986	6,006			
2019 BASIC CHEMICALS AND PROD, NEC-----	30,543	20,381	10,162				
2061 GUM AND GUMM CHEMICALS-----	7,505	2,785		4,800			
2071 NITROGENOUS CHEM FERTILIZERS-----	18,957	18,957					
2015 RESIDUAL FUEL OIL-----	67,068		59,437	2,364	5,267		
2091 PETROLEUM AND COAL PROD, NEC-----	1,000	1,000					
3291 MISC NONMETALLIC MINERAL PROD-----	20,800			4,200	13,600		3,000
4029 WASTE AND SCRAP, NEC-----	2,900					2,500	400
4110 WATERWAY IMPROVEMENT MAT-----	255,000			148,600	3,500	16,200	2,600
TON-MILES, DOMESTIC,	7,775,080.						
TONS, ALL TRAFFIC,	2,516,620.						
TON-MILES, ALL TRAFFIC,	40,220,143.						

STOCKTON, CALIF. (INCLUDED IN SAN JOAQUIN RIVER, CALIF.)

SECTION INCLUDED: HARBOR AT STOCKTON (AND VICINITY). CONTROLLING DEPTH: 35 FEET IN STOCKTON CHANNEL UP TO MOUTH OF MORMON CHANNEL) 8 FEET IN MORMON CHANNEL) 8 FEET IN FREMONT CHANNEL, MCLEOD LAKE AND IN THE HEAD OF STOCKTON CHANNEL. PROJECT DEPTHS (INCLUDED IN SAN JOAQUIN RIVER PROJECT).

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1976-----	1,869,985	1981-----	1,950,947
1977-----	1,520,991	1982-----	1,335,121
1978-----	1,554,402	1983-----	1,102,865
1979-----	1,617,509	1984-----	927,049
1980-----	1,945,435	1985-----	748,857

* PASSENGERS--5,032.

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	748,857	304,281	395,944	22,790	4,042	12,200	9,600
0101 COTTON, RAW-----	14,193		14,193				
0103 CORN-----	4,042				4,042		
0107 WHEAT-----	134,845		134,845				
0119 OILSEEDS, NEC-----	1,739		1,739				
0131 FRESH FRUITS-----	13		13				
0141 FRESH AND FROZEN VEGETABLES-----	137		137				
1451 CLAY-----	9,934		9,934				
1492 SULPHUR, DRY-----	107,760		107,760				
2011 MEAT, FRESH, CHILLED, FROZEN-----	43		43				
2012 MEAT AND PRODUCTS, NEC-----	35	21	14				
2022 DRIED MILK AND CREAM-----	6,432		6,432				
2034 VEGETABLES AND PREP, NEC-----	23	19	4				
2039 PREP FRUIT AND VEG JUICE, NEC-----	195		195				
2042 ANIMAL FEEDS-----	23		23				
2061 DUSK-----	6,096		6,096				
2062 MOLASSES-----	12,302		12,302				
2081 ALCOHOLIC BEVERAGES-----	61		61				
2099 MISCELLANEOUS FOOD PRODUCTS-----	16,455		16,455				
2111 TOBACCO MANUFACTURES-----	1		1				
2211 BASIC TEXTILE PRODUCTS-----	17	17					
2311 APPAREL-----	2		2				
2411 LOGS-----	35	35					
2491 WOOD MANUFACTURES, NEC-----	19	19					
2511 FURNITURE AND FIXTURES-----	41	41					
2691 PULP AND PAPER PRODUCTS, NEC-----	1		1				
2711 PRINTED MATTER-----	1		1				
2819 BASIC CHEMICALS AND PROD, NEC-----	141,474	141,474					
2821 PLASTIC MATERIALS-----	21		19				
2841 SOAP-----	3		2				
2851 PAINTS-----	0		0				
2061 GUM AND GUMM CHEMICALS-----	7,505			2,785			4,800
2071 NITROGENOUS CHEM FERTILIZERS-----	60,965	41,100		18,957			
2079 FERTILIZER AND MATERIALS, NEC-----	6,139	6,139					
2091 MISCELLANEOUS CHEMICAL PROD-----	20	20					
2099 COKE, PETROLEUM COKE-----	7,077		7,077				
2491 PETROLEUM AND COAL PROD, NEC-----	1,000			1,000			
3011 RUBBER AND MISC PLASTIC PROD-----	31	23	8				
3111 LEATHER AND LEATHER PRODUCTS-----	5		5				
3201 BUILDING CEMENT-----	86,107	86,107					
3291 MISC NONMETALLIC MINERAL PROD-----	9,255		58				9,200
3319 IRON, STEEL SHAPES, ETC SHEET-----	10,455	10,455					

SACRAMENTO, CA, DISTRICT

15

STOCKTON, CALIF. (INCLUDED IN SAN JOAQUIN RIVER, CALIF.)--CONTINUED

FREIGHT TRAFFIC, 1965--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
3317 IRON AND STEEL PIPE AND TUBE-----	167	126	41	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	23	23	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	383	19	364	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	677	79	598	-----	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	35	26	9	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1	-----	1	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1	1	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	2	2	-----	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	96,429	-----	96,429	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	400	-----	-----	-----	-----	-----	400
4112 COMMODITIES, NEC-----	5	-----	5	-----	-----	-----	-----
4110 WATERWAY IMPROVEMENT MAT-----	7,400	-----	-----	-----	-----	7,400	-----

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TCN= MILES	PASSENGERS
PROJECT				
MIDDLE RIVER, CALIF.,-----	0861 FOREST PRODUCTS, NEC-----	600	-----	-----
	4118 WATERWAY IMPROVEMENT MAT-----	64,400	-----	-----
	TOTAL-----	65,000	153,000	-----
MOKELUMNE RIVER, CALIF.,-----	NO COMMERCE REPORTED			
OLD RIVER, CALIF.,-----	4118 WATERWAY IMPROVEMENT MAT-----	20,700	117,700	-----

SAN FRANCISCO, CA, DISTRICT

17

TOTAL WATERBORNE COMMERCE OF THE SAN FRANCISCO BAY AND DELTA AREAS

CALENDAR YEAR 1985

(SHORT TONS)

LOCALITY	FOREIGN		DOMESTIC				TOTAL	PERCENT	THROUGH TRAFFIC
	IMPORTS	EXPORTS	COASTWISE		INTERNAL RECEIPTS AND SHIPMENTS	LOCAL			
			RECEIPTS	SHIPMENTS					
SAN RAFAEL CREEK, CALIF.					338,569		338,569	.44	
Petaluma River, CALIF.					158,050		158,050	.21	
Napa River, CALIF.					139,134		139,134	.18	
CARQUINEZ STRAIT, CALIF.	1,181,499	1,568,996	7,272,139	1,958,267	3,059,072	94,614	15,072,587	19.73	6,449,586
SUISUN BAY CHANNEL, CALIF.	11	350,220	229,951	1,328,618	552,738		2,461,538	3.22	4,085,549
SUISUN CHANNEL, CALIF.					1,673		1,673	.01	
SACRAMENTO RIVER, CALIF.	213,815	940,514	253,688	48,203	249,128	4,000	1,749,348	2.29	
SAN JOAQUIN RIVER, CALIF. AND TRIB.	810,657	911,809	91,398	104,647	575,017	24,700	2,518,228	3.30	84,100
SAN PABLO BAY AND MARE ISLAND STRAIT, CALIF.	81,589	728,962	3,276,061	1,863,917	1,208,647	227,863	7,387,039	9.67	20,899,687
RICHMOND HARBOR, CALIF.	1,664,415	2,269,073	7,102,825	2,804,880	3,194,433	121,974	17,177,609	22.49	
OAKLAND HARBOR, CALIF.	2,666,800	3,041,694	352,963	821,260	1,070,216	262	7,953,195	10.41	
NEWARK SLOUGH, CALIF.									
COYOTE HILL SLOUGH, CALIF.					85,800		85,800	.11	
ALVISO SLOUGH, CALIF.					500		500	.01	
REDWOOD CITY HARBOR, CALIF.	61,705	221,020	9,942	183,377	430,274		906,318	1.19	
SAN FRANCISCO HARBOR, CALIF.	825,696	413,733			2,523,052		3,762,481	4.93	
SAN FRANCISCO BAY, OTHER PORTS, CALIF.	54,034	12,870	3,708,740	257,210	9,506,954	3,114,867	16,656,675	21.81	
BERKELEY, CALIF.									
TOTAL (UNADJUSTED)	7,562,221	10,456,891	22,297,707	9,370,388	23,093,257	3,588,280	76,366,744		31,518,924
PERCENT (UNADJUSTED)	9.90	13.69	29.20	12.27	30.24	4.70		100.00	
NET VOLUME OF TONNAGE FOR THE AREA	7,562,221	10,456,891	22,297,707	9,370,388	11,936,537	3,588,280	65,212,024		
PERCENT (ADJUSTED)	11.60	16.04	34.19	14.37	18.30	5.50		100.00	

- * NOT INCLUDED IN THE TOTAL TONNAGE OF THE BAY AND DELTA AREA.
- ** TRIBUTARIES TO SAN JOAQUIN RIVER INCLUDE MONELUMNE, MIDDLE, AND OLD RIVERS.
- *** ADJUSTED TO NET VOLUME BY EXCLUDING ONE-HALF OF INTERNAL TRAFFIC MOVED BETWEEN PORTS AND WATERWAYS OF THE SAN FRANCISCO BAY AND DELTA AREAS.

SAN FRANCISCO BAY ENTRANCE, CALIF.

SECTION INCLUDED: BONITA, MAIN SHIP AND SOUTH CHANNELS. CONTROLLING DEPTH: BONITA CHANNEL, 39 FEET; SOUTH CHANNEL, 33 FEET; MAIN SHIP CHANNEL, 52.6 FEET. PROJECT DEPTH: MAIN SHIP CHANNEL, 55 FEET. BONITA AND SOUTH CHANNELS, NO FEDERAL PROJECT.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	FOREIGN THROUGH		DOMESTIC THROUGH		TOTAL	YEAR	FOREIGN THROUGH		DOMESTIC THROUGH		TOTAL
	UPBOUND	DOWNBOUND	UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND	UPBOUND	DOWNBOUND	
1976-----	17,144,902	6,092,434	13,955,808	11,197,204	48,390,345	1981-----	6,789,674	10,649,681	20,487,338	17,740,333	55,667,026
1977-----	23,341,344	6,205,983	13,596,097	13,040,045	56,183,514	1982-----	5,915,350	8,712,056	18,565,931	15,157,937	48,351,282
1978-----	11,508,743	6,630,775	20,273,694	13,964,191	52,377,403	1983-----	7,739,106	10,373,664	16,772,362	12,926,404	47,813,536
1979-----	10,263,721	8,332,082	22,401,040	14,445,334	55,442,177	1984-----	9,315,619	10,340,646	20,374,476	9,331,116	49,361,857
1980-----	8,765,796	10,543,058	20,799,552	17,888,162	57,996,568	1985-----	7,562,221	10,456,891	22,274,582	10,173,330	50,467,024

SAN FRANCISCO HARBOR, CALIF.

SECTION INCLUDED: FROM FORT POINT TO SAN FRANCISCO AIRPORT ON THE WEST SIDE OF THE SAN FRANCISCO BAY. CONTROLLING DEPTHS: MAIN SHIP CHANNEL, 52.5 FEET; PRESIDIO SHOAL, 35.5 FEET; BLACK POINT SHOAL, 35.5 FEET; RINCON REEF ROCK (INNER), 41 FEET; RINCON REEF (OUTER), 42.5 FEET; BLOSSOM ROCK, 40 FEET; ALCATRAZ SHOAL, 34.8 FEET; ARCH ROCK, 34.2 FEET; HARDING ROCKS, 36.7 FEET; SHAG ROCKS 1 AND 2, 36.9 FEET; POINT KNOX SHOAL, 38.2 FEET; ISLAIS CREEK SHOAL, 26.0 FEET; CHANNEL AND BARRIN AT SAN FRANCISCO AIRPORT, 6.8 FEET IN THE MAINTAINED 200-FOOT WIDE SOUTHERLY PORTIONS; 8 FEET IN THE MAINTAINED PORTION OF TURNING BARRIN, 8.6 FEET TO SEAPLANE RAMP. PROJECT DEPTHS: 55 FEET IN ENTRANCE CHANNEL ACROSS THE BARR; 43 FEET ACROSS PRESIDIO SHOAL, BLACK POINT SHOAL, BLOSSOM ROCK, RINCON REEF ROCK, AND A PORTION OF ALCATRAZ SHOAL; 37 FEET ACROSS ARCH, SHAG, AND HARDING ROCKS; 35 FEET ACROSS RACCOON SHOAL, AND THE WESTERN PART OF POINT KNOX SHOAL; 35 FEET ACROSS ISLAIS CREEK SHOAL; 10 FEET TO THE SAN FRANCISCO AIRPORT.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC			YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC		
			CAR FERRY-RAILROAD CARS						CAR FERRY-RAILROAD CARS		
			EMPTY	LOADED	TOTAL				EMPTY	LOADED	TOTAL
1976--	1,956,437	25,196	9,314	10,475	19,793	1981--	1,567,985	1,707,174	2,160	2,304	4,464
1977--	1,931,603	27,030	8,603	9,630	18,231	1982--	1,654,777	2,181,582	1,403	1,490	2,893
1978--	2,317,545	33,253	8,750	9,522	18,272	1983--	1,484,314	3,057,723	830	767	1,597
1979--	2,353,799	-----	3,650	4,248	7,918	1984--	2,168,342	3,471,199	203	177	380
1980--	1,752,193	-----	23,134	24,527	47,661	1985--	3,762,461	1,484,000	-----	-----	-----

SAN FRANCISCO HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC INTERNAL	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL	3,762,481	825,696	413,733	704,452	1,818,600
0101 COTTON, RAW	20,173		20,173		
0102 BARLEY AND RYE	59		59		
0103 CORN	30,083		30,083		
0104 OATS	121				
0105 RICE	7,914	5,384	2,530		
0106 SORGHUM GRAINS	844		844		
0107 WHEAT	34,888		34,877		
0119 OILSEEDS, NEC	1,279	900			
0129 FIELD CROPS, NEC	1,893	647	1,246		
0131 FRESH FRUITS	3,804	204	3,600		
0132 BANANAS AND PLANTAINS	24	24			
0133 COFFEE	83,777	63,165	612		
0134 COCOA BEANS	6,856	6,856			
0147 FRESH AND FROZEN VEGETABLES	3,932	744	3,188		
0161 ANIMALS AND PRODUCTS, NEC	1,259	565	694		
0191 MISCELLANEOUS FARM PRODUCTS	1,020	1,002	18		
0841 CRUDE RUBBER AND ALLIED GUMS	100	99	1		
0861 FOREST PRODUCTS, NEC	443	415	28		
0911 FRESH FISH, EXCEPT SHELLFISH	13,134	820	29	12,485	
0912 SHELLFISH, EXCEPT PREPARED	391	285	23	93	
0931 MARINE SHELLS, UNMANUFACTURED	50	28	22		
1051 ALUMINUM ORES, CONCENTRATES	1				
1091 NONFERROUS ORES, CONCENT, NEC	150	92	58		
1121 COAL AND LIGNITE	87	52	35		
1311 CRUDE PETROLEUM	3		3		
1442 SAND, GRAVEL, CRUSHED ROCK	209,046	22	154	208,870	
1451 CLAY	695	46	649		
1471 PHOSPHATE ROCK	9		9		
1491 SALT	161		161		
1492 SULPHUR, DRY	105		105		
1494 GYPSUM, CRUDE AND PLASTERS	675		626		
1499 NONMETALLIC MINERALS, NEC	7,766	1,515	6,251		
1911 ORODNANCE AND ACCESSORIES	17	51			
2011 MEAT, FRESH, CHILLED, FROZEN	12,422	12,572	250		
2012 MEAT AND PRODUCTS, NEC	6,341	6,189	152		
2014 TALLOW, ANIMAL FATS AND OILS	18,704		18,704		
2015 ANIMAL BY-PRODUCTS, NEC	3,835	6	3,829		
2021 DAIRY PRODUCTS, NEC	842	855	7		
2022 DRIED MILK AND CREAM	14,050	2	14,048		
2031 FISH AND SHELLFISH, PREPARED	6,066	5,885	181		
2034 VEGETABLES AND PREP, NEC	24,678	13,349	11,328		
2039 PREP FRUIT AND VEG JUICE, NEC	25,744	17,614	8,130		
2041 WHEAT FLOUR AND SEMOLINA	67		67		
2042 ANIMAL FEEDS	50,665	37,085	13,582		
2049 GRAIN MILL PRODUCTS, NEC	4,204	3,058	1,146		
2061 SUGAR	57	12	45		
2062 MOLASSES	5		5		
2081 ALCOHOLIC BEVERAGES	7,750	5,653	2,097		
2091 VEGETABLE OILS, MARG, SHORT	26,410	25,434	976		
2092 ANIMAL OILS AND FATS, NEC	19	11	8		
2095 ICE	123	123			
2099 MISCELLANEOUS FOOD PRODUCTS	31,309	15,919	15,390		
2111 TOBACCO MANUFACTURES	180	2	178		
2211 BASIC TEXTILE PRODUCTS	7,434	7,055	379		
2212 TEXTILE FIBERS, NEC	87		87		
2311 APPAREL	5,915	5,859	56		
2411 LOGS	90	33	57		
2413 FUEL WOOD, CHARCOAL, WASTES	167	167			
2414 TIMBER, POSTS, POLES, PILING	1				
2416 WOOD CHIPS, STAVES, MOLDINGS	1,191	1,127	64		
2421 LUMBER	5,229	2,322	2,907		
2431 VENEER, PLYWOOD, WORKED WOOD	845	825	20		
2491 WOOD MANUFACTURES, NEC	11,423	2,228	9,195		
2511 FURNITURE AND FIXTURES	7,639	7,279	360		
2611 PULP	3,135	508	2,627		
2621 STANDARD NEWSPRINT PAPER	256,503	256,427	76		
2631 PAPER AND PAPERBOARD	21,162	19,032	2,130		
2691 PULP AND PAPER PRODUCTS, NEC	3,407	638	2,769		
2711 PRINTED MATTER	1,697	972	725		
2811 CRUDE TAR, OIL, GAS PRODUCTS	654	620	34		
2812 DYES, PIGMENT, TANNING MATS	18		18		
2813 ALCOHOLS	217	4	213		
2817 BENZENE AND TOLUENE	701	699	2		
2819 BASIC CHEMICALS AND PROD, NEC	45,693	23,815	21,878		
2821 PLASTIC MATERIALS	14,762	1,794	14,968		
2822 SYNTHETIC RUBBER	1,433	32	1,401		
2823 SYNTHETIC (MAN-MADE) FIBERS	1		1		
2831 DRUGS	1,046	534	512		
2841 SOAP	2,846	398	2,448		
2851 PAINTS	2,532	1,272	1,260		
2861 GUM AND WOOD CHEMICALS	67	62	5		
2871 NITROGENOUS CHEM FERTILIZERS	82	62	20		
2874 INSECTICIDES, DISINFECTANTS	1,534	314	1,220		
2879 FERTILIZER AND MATERIALS, NEC	203	154	49		
2891 MISCELLANEOUS CHEMICAL PROD	4,564	2,145	2,419		
2911 GASOLINE	127		127		
2913 KEROSENE	8		8		
2914 DISTILLATE FUEL OIL	6,118		6,118		
2915 RESIDUAL FUEL OIL	184,530		184,501		1,937
2916 LUBRICATING OILS AND GREASES	3,140	9	3,151		
2917 NAPHTHA, PETROLEUM SOLVENTS	27		27		
2918 ASPHALT, TAR, AND PITCHES	173		173		

SAN FRANCISCO, CA, DISTRICT

19

SAN FRANCISCO HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
2920 COKE, PETROLEUM COKE-----	760		760		
2921 LIQUEFIED GASES-----	19		19		
2951 ASPHALT BUILDING MATERIALS-----	1,130		1,130		
2991 PETROLEUM AND COAL PROD, NEC-----	3,625	47	3,578		
3011 RUBBER AND MISC PLASTIC PROD-----	16,806	15,493	1,313		
3111 LEATHER AND LEATHER PRODUCTS-----	3,988	2,920	1,060		
3211 GLASS AND GLASS PRODUCTS-----	5,006	2,208	2,798		
3241 BUILDING CEMENT-----	17,238	17,168	70		
3251 STRUCTURAL CLAY PRODUCTS-----	4,890	3,982	908		
3281 CUT STONE AND STONE PRODUCTS-----	5,208	5,208	2		
3291 MISC NONMETALLIC MINERAL PROD-----	221,651	7,982	8,154	84,779	120,736
3314 IRON AND STEEL PRIMARY FORMS-----	80	79	1		
3315 IRON, STEEL SHAPES, EXC SHEET-----	23,877	23,697	180		
3316 IRON AND STEEL PLATES, SHEETS-----	1,875		1,875		
3317 IRON AND STEEL PIPE AND TUBE-----	1,378	397	981		
3318 FERROALLOYS-----	993	832	161		
3319 IRON AND STEEL PRODUCTS, NEC-----	740	522	218		
3321 NONFERROUS METALS, NEC-----	516	63	453		
3322 COPPER ALLOYS, UNWORKED-----	985	738	247		
3323 LEAD AND ZINC, UNWORKED-----	607		607		
3324 ALUMINUM AND ALLOYS, UNWORKED-----	4,729	4,496	233		
3411 FABRICATED METAL PRODUCTS-----	41,515	35,827	5,688	90	
3511 MACHINERY, EXCEPT ELECTRICAL-----	48,112	31,494	16,618	34	
3611 ELECTRICAL MACH AND EQUIP-----	27,380	20,638	6,742		
3711 MOTOR VEHICLES, PARTS, EQUIP-----	41,843	36,417	5,426		
3721 AIRCRAFT AND PARTS-----	119		119		
3731 SHIPS AND BOATS-----	858	793	65		
3791 MISC TRANSPORTATION EQUIPMENT-----	8,250	6,201	2,049		
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1,983	694	1,289		
3911 MISC MANUFACTURED PRODUCTS-----	18,834	17,061	1,773		
4011 IRON AND STEEL SCRAP-----	5,743		5,743		
4012 NONFERROUS METAL SCRAP-----	35,619	5,480	30,139		
4022 TEXTILE WASTE, SCRAP, SWEEP-----	578		578		
4024 PAPER WASTE AND SCRAP-----	33,076		33,076		
4029 WASTE AND SCRAP, NEC-----	1,568,700				1,568,700
4112 COMMODITIES, NEC-----	9,907	2,258	7,649		
4118 WATERWAY IMPROVEMENT MAT-----	338,627			207,400	127,227
9999 DEPARTMENT OF DEFENSE AND SCI-----	4,526		4,526		

REDWOOD CITY HARBOR, CALIF.

SECTION INCLUDED: CHANNEL 500 FEET WIDE AND ABOUT 4 MILES LONG ACROSS SAN BRUNO SHOAL; A CHANNEL FROM DEEP WATER IN SAN FRANCISCO BAY TO STEINBERGER SLOUGH, CONTROLLING DEPTH: 29.4 FEET IN SAN BRUNO SHOAL CHANNEL; 28.8 FEET IN SAN FRANCISCO BAY TO BEACON NO. 8; 28.7 FEET TO BEACON NO. 15 AND BEGINNING OF (OUTER) TURNING BASIN NO. 1; 28.2 FEET IN TURNING BASIN NO. 1; 29.4 FEET TO (UPPER) TURNING BASIN NO. 2; 29.2 FEET IN TURNING BASIN; PROJECT DEPTH: 30 FEET IN SAN BRUNO SHOAL CHANNEL; 30 FEET TO THE HEAD OF THE TURNING BASIN IN REDWOOD CREEK; 5 FEET TO STEINBERGER SLOUGH; AND 4 FEET IN STEINBERGER SLOUGH.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1976-----	395,618	1981-----	827,459
1977-----	410,293	1982-----	553,361
1978-----	474,131	1983-----	683,701
1979-----	775,379	1984-----	1,350,416
1980-----	951,242	1985-----	900,918

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE	INTERNAL	RECEIPTS	SHIPMENTS
TOTAL-----	900,918	61,705	221,020	4,542	103,377	309,074	31,200
1482 SAND, GRAVEL, CRUSHED ROCK-----	397,835					397,835	
1491 SALT-----	271,918		140,141		111,777		
1499 NONMETALLIC MINERALS, NEC-----	16,051		16,051				
2001 ALCOHOLIC BEVERAGES-----	17	17					
2813 ALCOHOLS-----	53,380	37,838		4,542	11,000		
2819 BASIC CHEMICALS AND PROD, NEC-----	13,200		13,200				
2891 MISCELLANEOUS CHEMICAL PROD-----	20	20					
2911 GASOLINE-----	1,163					1,163	
2991 PETROLEUM AND COAL PROD, NEC-----	18,000					18,000	
3241 BUILDING CEMENT-----	66,430	23,830			42,600		
3411 FABRICATED METAL PRODUCTS-----	158		82				76
3511 MACHINERY, EXCEPT ELECTRICAL-----	77						
3611 ELECTRICAL MACH AND EQUIP-----	62						
3711 MOTOR VEHICLES, PARTS, EQUIP-----	15		15				
3791 MISC TRANSPORTATION EQUIPMENT-----	5		5				
4011 IRON AND STEEL SCRAP-----	31,387		31,387				
4029 WASTE AND SCRAP, NEC-----	31,200						31,200
TOTAL TON-MILES, 1,647,836.							

OAKLAND HARBOR, CALIF.

SECTION INCLUDED: OUTER AND INNER HARBOR FROM DEEP WATER IN SAN FRANCISCO BAY TO SAN LEANDRO BAY, A DISTANCE OF 9.5 MILES. CONTROLLING DEPTHS: 28.9 FEET IN THE ENTRANCE CHANNEL OF THE OUTER HARBOR TO BART TUBE; 28.0 TO ALBERS HILL; 31.0 TO SHED 5; 29.3 FEET IN THE ENTRANCE CHANNEL TO THE INNER HARBOR; 31.2 FEET IN INNER HARBOR TO FOOT OF FERRO STREET; 31.0 FEET TO POSEY TURF; 31.0 FEET AT POSEY TUBE; 31.0 FEET TO FORTMANN BASIN; 17.6 FEET TO PARK STREET BRIDGE; 15.3 FEET IN TIDAL CANAL TO FRUITVALE AVENUE BRIDGE; 14.4 FEET IN TIDAL CANAL TO SAN LEANDRO BAY; 7 FEET IN NORTH CHANNEL OF BROOKLYN BASIN. PROJECT DEPTHS: 35 FEET IN THE ENTRANCE CHANNEL TO THE OUTER HARBOR; 35 FEET IN THE OUTER HARBOR; 35 FEET IN THE ENTRANCE CHANNEL TO THE INNER HARBOR; 35 FEET IN THE INNER HARBOR TO THE PARK STREET BRIDGE; 25 FEET IN THE TIDAL CANAL TO SAN LEANDRO BAY; 35 FEET FOR A DISTANCE OF 1,300 FEET THENCE 25 FEET IN NORTH CHANNEL OF BROOKLYN BASIN (MAINTAINED 10 FEET).

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	ADDITIONAL TRAFFIC CAR FERRY-RAILROAD CARS			YEAR	TONS	ADDITIONAL TRAFFIC CAR FERRY-RAILROAD CARS		
		EMPTY	LOADED	TOTAL			EMPTY	LOADED	TOTAL
1976	6,634,278	4,955	5,601	10,556	1981	7,588,653			
1977	6,828,938	4,820	5,545	10,365	1982	6,985,134			
1978	6,937,246	5,051	5,732	10,783	1983	7,130,707			
1979	6,840,202				1984	8,812,259			
1980	7,313,533				1985	7,953,195			

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL	7,953,195	2,666,800	3,041,694	352,963	621,260	1,037,382	32,834	262
0101 COTTON, RAW	225,143		225,143					
0102 BARLEY AND RYE	174		167		7			
0103 CORN	14,695		14,695					
0104 OATS	212		212					
0105 RICE	76,889	6,503	36,346	12	34,144			
0106 SORGHUM GRAINS	596		592		4			
0111 SOYBEANS	1,459	2	1,457					
0119 DILSEEDS, NEC	9,390	827	8,567					
0121 TOBACCO, LEAF	614		614					
0129 FIELD CROPS, NEC	6,379	812	5,567					
0131 FRESH FRUITS	144,773	565	112,559	27,593	4,056			
0132 BANANAS AND PLANTAINS	544	518			26			
0133 COFFEE	76,762	63,138	10,908	470	2,246			
0134 COCOA BEANS	3,065	3,061	4					
0141 FRESH AND FROZEN VEGETABLES	110,888	2,496	71,922	649	35,621			
0151 LIVE ANIMALS	4,513			3,295	1,218			
0161 ANIMALS AND PRODUCTS, NEC	8,379	3,447	4,253	4	675			
0191 MISCELLANEOUS FARM PRODUCTS	1,428	1,175	253					
0841 CRUDE RUBBER AND ALLIED GUMS	2,027	1,882	145					
0861 FOREST PRODUCTS, NEC	3,507	1,699	626	936	46			
0911 FRESH FISH, EXCEPT SHELLFISH	13,420	5,565	6,317		13	1,525		
0912 SHELLFISH, EXCEPT PREPARED	5,064	2,615	1,566	192	677	14		
0931 MARINE SHELLS, UNMANUFACTURED	2,519	198	2,321					
1021 COPPER ORE AND CONCENTRATES	279		279					
1051 ALUMINUM ORES, CONCENTRATES	1,706	1,203	503					
1091 NONFERROUS ORES, CONCENT, NEC	13,265	8,426	4,002					
1121 COAL AND LIGNITE	26,977	23,496	3,481					
1411 LIMESTONE	648		648					
1412 BUILDING STONE, UNWORKED	51		51					
1482 SAND, GRAVEL, CRUSHED ROCK	500,149	252	1,906		112	497,879		
1491 CLAY	30,578	158	30,420					
1471 PHOSPHATE ROCK	603	330	273					
1479 NATURAL FERTILIZER MATS, NEC	2,494	2,494						
1491 SALT	4,036	4	32		4,000			
1492 SULPHUR, DRY	6,483		6,483					
1494 GYPSUM, CRUDE AND PLASTERS	735		533		202			
1499 NONMETALLIC MINERALS, NEC	57,019	2,451	54,203		165			
1911 ORNANCE AND ACCESSORIES	2,815	2,487	273					
2011 MEAT, FRESH, CHILLED, FROZEN	262,768	107,452	111,998	1,344	41,772			
2012 MEAT AND PRODUCTS, NEC	6,616	6,116	2,479	21				
2014 FALLOW, ANIMAL FATS AND OILS	5,911		5,911					
2015 ANIMAL BY-PRODUCTS, NEC	75,371	102	75,170	99				
2021 DAIRY PRODUCTS, NEC	14,820	3,510	511	15	10,784			
2022 DRIED MILK AND CREAM	11,635	690	10,945					
2031 FISH AND SHELLFISH, PREPARED	21,663	15,166	6,696		1			
2036 VEGETABLES AND PREP, NEC	127,804	32,325	47,658	2,451	45,370			
2039 PREP FRUIT AND VEG JUICE, NEC	416,846	158,467	106,534	139,597	12,248			
2041 WHEAT FLOUR AND SEMOLINA	7,953		917		7,036			
2042 ANIMAL FEEDS	253,906	2,834	214,665	12	31,341			
2049 GRAIN MILL PRODUCTS, NEC	24,262	14,113	9,626	15	508			
2061 SUGARS	3,039	122	427	1,625	862			
2062 MOLASSES	87,770	3	570	87,197				
2081 ALCOHOLIC BEVERAGES	149,203	135,490	21,774	279	31,440			
2091 VEGETABLE OILS, VARE, SHORT	49,018	6,616	37,463		4,939			
2092 ANIMAL OILS AND FATS, NEC	63	62	1					
2094 CROCIERIES	51,570			145	51,344			
2095 ICE	8,444	8,444						
2099 MISCELLANEOUS FOOD PRODUCTS	211,791	44,452	140,423	3,030	18,886			
2111 TOBACCO MANUFACTURES	1,937	80	16,534	1	322			
2211 BASIC TEXTILE PRODUCTS	53,475	23,494	6,677	18	23,286			
2212 TEXTILE FINERS, NEC	11,647	1	11,395		51			
2311 APPAREL	48,781	48,257	431	12	81			
2411 LOGS	19,605	14	19,791					
2413 FUEL WOOD, CHARCOAL, WASTES	2,779	129	218	49	2,383			
2414 TIMBER, POSTS, POLES, PILING	239		239					
2416 WOOD CHIPS, STAVES, WOODINGS	460	257	223					
2421 LUMBER	47,209	6,561	36,825	73	3,750			
2431 VENEER, PLYWOOD, WORKED WOOD	20,948	17,395	3,454		59			

SAN FRANCISCO, CA, DISTRICT

21

OAKLAND HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
2401 WOOD MANUFACTURES, NEC-----	42,765	16,766	24,994	20	985			
2511 FURNITURE AND FIXTURES-----	59,677	39,334	1,836	10,993	7,512			
2611 PULP-----	44,676	46	44,630					
2621 STANDARD NEWSPRINT PAPER-----	40,105	32,982	7,123					
2631 PAPER AND PAPERBOARD-----	87,194	22,220	57,341	415	7,214			
2641 PULP AND PAPER PRODUCTS, NEC-----	31,047	4,004	14,394	46	12,603			
2711 PRINTED MATTER-----	16,274	9,142	3,775		3,357			
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	1,174	877	297					
2912 DYES, PIGMENT, TANNING MATS-----	190		190					
2913 ALCOHOLS-----	3,136	311	2,705	37	3			
2916 RADIOACTIVE MATERIALS, WASTES-----	267	10	219	38				
2917 BENZENE AND TOLUENE-----	26		26					
2919 BASIC CHEMICALS AND PROD, NEC-----	192,682	34,254	149,253	1,122	8,053			
2921 PLASTIC MATERIALS-----	237,435	21,923	212,937	5	2,570			
2922 SYNTHETIC RUBBER-----	21,517	34	21,483					
2923 SYNTHETIC (MAN-MADE) FIBERS-----	7,387	884	6,488		15			
2931 DRUGS-----	8,870	1,859	6,310		701			
2941 SOAP-----	30,927	1,451	14,228	16	15,232			
2951 PAINTS-----	19,116	9,162	4,193	14	5,747			
2961 GUM AND WOOD CHEMICALS-----	1,246	82	1,164					
2971 NITROGENOUS CHEM FERTILIZERS-----	12,519	1,227	1,845		9,447			
2972 POTASSIC CHEM FERTILIZERS-----	34		34					
2973 PHOSPHATIC CHEM FERTILIZERS-----	241	241						
2974 INSECTICIDES, DISINFECTANTS-----	14,171	743	11,906		1,522			
2979 FERTILIZER AND MATERIALS, NEC-----	11,670	144	11,393		133			
2991 MISCELLANEOUS CHEMICAL PROD-----	36,634	11,427	23,035		2,172			
2911 GASOLINE-----	31,182		148		115	30,919		
2912 JET FUEL-----	12,264					12,264		
2913 KEROSENE-----	90		0		61			
2914 DISTILLATE FUEL OIL-----	4,278				411	7,447		
2915 RESIDUAL FUEL OIL-----	477,652	11	1			475,328	2,100	212
2916 LUBRICATING OILS AND GREASES-----	38,235	587	4,740	16,324	1,447	11,337		
2917 NAPHTHA, PETROLEUM SOLVENTS-----	394		394					
2918 ASPHALT, TAR, AND BITUMENS-----	6,937	24	2,584		4,329			
2920 COKE, PETROLEUM COKE-----	1,556		1,556					
2921 LIQUEFIED GASES-----	305	2	303					
2951 ASPHALT BUILDING MATERIALS-----	1,199		1,130		69			
2991 PETROLEUM AND COAL PROD, NEC-----	12,658	345	2,552	39	9,722			
3011 RUBBER AND MISC PLASTIC PROD-----	68,806	59,724	6,533	43	2,486			
3111 LEATHER AND LEATHER PRODUCTS-----	46,965	25,432	19,127	947	1,039			
3211 GLASS AND GLASS PRODUCTS-----	20,933	15,590	11,581	20	2,742			
3241 BUILDING CEMENT-----	1,722	631	674		417			
3251 STRUCTURAL CLAY PRODUCTS-----	17,497	14,658	1,380		1,459			
3271 LIME-----	261		46		215			
3281 CUT STONE AND STONE PRODUCTS-----	15,909	15,583	96		230			
3291 MISC NONMETALLIC MINERAL PROD-----	58,561	27,040	14,385		17,136			
3312 SLAG-----	684				644			
3314 IRON AND STEEL PRIMARY FORMS-----	93	77	16					
3315 IRON, STEEL SHAPES, EXC SHEET-----	687,579	686,322	999		9	249		
3316 IRON AND STEEL PLATES, SHEETS-----	12,190	4,650	2,669		8,871			
3317 IRON AND STEEL PIPE AND TUBE-----	110,545	102,823	2,825		4,897			
3318 FERROALLOYS-----	2,463	77	2,386					
3319 IRON AND STEEL PRODUCTS, NEC-----	10,440	9,135	1,274		29			
3321 NONFERROUS METALS, NEC-----	13,568	2,077	6,887		4,604			
3322 COPPER ALLOYS, UNWORKED-----	17,710	5,248	12,440		22			
3323 LEAD AND ZINC, UNWORKED-----	10,402	6,576	4,142		84			
3324 ALUMINUM AND ALLOYS, UNWORKED-----	23,932	21,843	1,917		172			
3411 FABRICATED METAL PRODUCTS-----	181,890	144,405	13,626	313	23,546			
3511 MACHINERY, EXCEPT ELECTRICAL-----	247,076	181,247	58,864	1,063	5,866			34
3611 ELECTRICAL MACH AND EQUIP-----	156,422	126,823	25,335	107	4,157			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	202,808	129,653	17,302	7,220	44,633			
3721 AIRCRAFT AND PARTS-----	914	30	699		185			
3731 SHIPS AND BOATS-----	3,557	2,711	421	39	386			
3791 MISC TRANSPORTATION EQUIPMENT-----	3,778	2,681	1,012	15	70			
3811 INSTR, TIME, PHOTO, OPT GOODS-----	27,024	19,280	7,761		3			
3911 MISC MANUFACTURED PRODUCTS-----	86,024	71,943	4,695	3,257	7,631			
4011 IRON AND STEEL SCRAP-----	303,235		301,327	1,858				50
4012 NONFERROUS METAL SCRAP-----	78,644	373	78,271					
4022 TEXTILE WASTE, SCRAP, SHEEP-----	4,076		4,076					
4024 PAPER WASTE AND SCRAP-----	261,466		261,466					
4029 WASTE AND SCRAP, NEC-----	30,714			14			30,700	
4112 COMMODITIES, NEC-----	294,794	12,634	24,108	34,045	228,207			
4119 EMPTY CONTAINERS-----	6,248			4,918	1,330			
9999 DEPARTMENT OF DEFENSE AND SCI-----	2,936		2,936					

RICHMOND HARBOR, CALIF.

SECTION INCLUDED: INNER HARBOR, FROM SOUTHERN END OF RICHMOND LONG WHARF MANEUVERING AREA TO THE HEAD OF SANTA FE CHANNEL, A DISTANCE OF ABOUT 5 MILES; OUTER HARBOR, FROM SOUTHERN END OF MANEUVERING AREA AT RICHMOND LONG WHARF TO POINT SAN PABLO AND THE NORTH SIDE OF POINT SAN PABLO; INCLUDES A CONNECTING CHANNEL (SOUTHAMPTON CHANNEL) TO THE RICHMOND LONG WHARF MANEUVERING AREA AND APPROACH AREAS AT POINT SAN PABLO AND POINT ORIENT. CONTROLLING DEPTHS: 41.9 FEET IN SOUTHAMPTON CHANNEL (CONNECTING CHANNEL FROM SAN FRANCISCO BAY TO RICHMOND LONG WHARF MANEUVERING AREA); 44.2 FEET IN MANEUVERING AREA TO RICHMOND LONG WHARF; 33.1 FEET FROM RICHMOND LONG WHARF MANEUVERING AREA TO TURNING BASIN POINT RICHMOND; 33.6 FEET IN PT. RICHMOND TURNING BASIN; 33.7 FEET TO POINT POTRERO; 33.9 FEET IN TURNING BASIN AT POINT POTRERO; POINT POTRERO (SOUTHERLY APEX ONLY) 33.2 FEET; 34.4 FEET TO LAURITZEN CANAL THEN 33.9 FEET IN SANTA FE CHANNEL TO UPPER TURNING BASIN; 23.6 FEET IN UPPER TURNING BASIN; 27 FEET IN APPROACH TO POINT ORIENT; 26 FEET IN APPROACH TO POINT SAN PABLO; 30.6 FEET AT MOLATE POINTS AND 33.4 FEET IN WEST RICHMOND CHANNEL. PROJECT DEPTHS: 45 FEET IN CONNECTING CHANNEL (SOUTHAMPTON CHANNEL) FROM SAN FRANCISCO BAY TO RICHMOND LONG WHARF MANEUVERING AREA; 45 FEET IN MANEUVERING AREA TO RICHMOND LONG WHARF; 35 FEET IN MANEUVERING AREA TO TURNING BASIN AT PT. RICHMOND; 35 FEET TO POINT POTRERO; 35 FEET TO SANTA FE CHANNEL; 35 FEET IN SANTA FE CHANNEL FOR APPROXIMATELY 2,000 FEET THEN 30 FEET IN THE REMAINDER OF SANTA FE CHANNEL AND TURNING BASIN; 20 FEET IN CHANNEL EAST OF POINT SAN PABLO CHANNEL; 32 FEET IN APPROACH TO POINT ORIENT; 32 FEET IN APPROACH TO POINT SAN PABLO.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	ADDITIONAL TRAFFIC CAP FERRY-RAILROAD CARS			YEAR	TONS	ADDITIONAL TRAFFIC CAP FERRY-RAILROAD CARS		
		EMPTY	LOADED	TOTAL			EMPTY	LOADED	TOTAL
1976	20,165,240	4,083	4,560	8,643	1981	18,019,805	2,160	2,304	4,464
1977	23,023,508	3,368	3,699	7,067	1982	15,304,607	1,403	1,490	2,893
1978	18,986,001	3,316	3,567	6,883	1983	15,803,285	830	767	1,597
1979	18,978,302	3,648	4,246	7,894	1984	16,341,341	703	177	880
1980	18,559,965	23,130	24,327	47,461	1985	17,177,630			

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL	17,177,630	1,664,415	2,289,073	7,102,825	2,604,889	1,525,008	1,664,435	121,974
0103 CORN	4,528				4,528			
0119 DILSTEDS, NEC	1		1					
0131 FRESH FRUITS	1,058		1,058					
0134 COCOA BEANS	7		7					
1041 FRESH AND FROZEN VEGETABLES	22		22					
1051 ALUMINUM ORES, CONCENTRATES	29,733	29,733						
1091 NONFERROUS ORES, CONCENT, NEC	4,850		4,850					
1121 COAL AND LIGNITE	19,519		19,519					
1311 CRUDE PETROLEUM	7,465,284	709,441		5,255,496	141,173	1,343,776	15,398	
1451 CLAY	3,456		3,456					
1494 GYPSUM, CRUDE AND PLASTERS	240,986	240,986						
1499 NONMETALLIC MINERALS, NEC	2,866	2,866						
2011 MEAT, FRESH, CHILLED, FROZEN	39		39					
2014 TALLOW, ANIMAL FATS AND OILS	41,824		41,824					
2034 VEGETABLES AND PREP, NEC	20		20					
2039 PREP FRUIT AND VEG JUICE, NEC	39		39					
2042 ANIMAL FEEDS	1,146				1,146			
2061 SUGAR	35,287					35,287		
2062 MOLASSES	8,812		8,812					
2081 ALCOHOLIC BEVERAGES	86		86					
2091 VEGETABLE OILS, MARG, SHORT	176,648	148,924	27,724					
2099 MISCELLANEOUS FOOD PRODUCTS	7		7					
2311 APPAREL	5		5					
2411 LOGS	5,492		5,492					
2421 LUMBER	6,916	200		6,626				
2431 VENEER, PLYWOOD, WORKED WOOD	4		4					
2491 WOOD MANUFACTURES, NEC	7		7					
2511 FURNITURE AND FIXTURES	8		8					
2621 STANDARD NEWSPRINT PAPER	607		607					
2631 PAPER AND PAPERBOARD	22		22					
2691 PULP AND PAPER PRODUCTS, NEC	1		1					
2810 SODIUM HYDROXIDE	116,434			103,879	5,740		4,804	
2811 CRUDE TAR, OIL, GAS PRODUCTS	34,286	2,231		32,055				
2813 ALCOHOLS	35,249	16,902		7,288	19,069			
2817 BENZENE AND TOLUENE	55,000		55,000					
2819 BASIC CHEMICALS AND PROD, NEC	48,053	188	78,505	5,500	4,860			
2841 SOAP	891		891					
2851 PAINTS	42		42					
2961 GUM AND WOOD CHEMICALS	7,500			2,700			4,800	
2971 NITROGENOUS CHEM FERTILIZERS	3,109				3,109			
2979 FERTILIZER AND MATERIALS, NEC	24,540				24,540			
2991 MISCELLANEOUS CHEMICAL PROD	30,061	551	23,416	6,204	4,866			
2991 GASOLINE	379,569	29,732	28,610	68,261	101,263		42,860	18,844
2992 JET FUEL	377,549	9,550		8,943	251,154	12,730	95,164	
2994 DISTILLATE FUEL OIL	1,187,706	76,649	83,654	487,919	546,940	18,624	13,840	
2995 RESIDUAL FUEL OIL	4,663,930		1,760,933	1,030,072	909,514	90,814	715,886	58,105
2996 LUBRICATING OILS AND GREASES	328,649	26,404	5,830	29,724	192,494	24,765	11,337	45,026
2997 NAPHTHA, PETROLEUM SOLVENTS	49,413	1,350		46,171	2,392			
2998 ASPHALT, TAR, AND BITUMENS	311,766	87,406			224,360			
2999 COKE, PETROLEUM COKE	39,360		30,710					
2999 PETROLEUM AND COAL PROD, NEC	199,228			7,074	191,249			
3011 RUBBER AND MISCELLANEOUS PLASTIC PROD	1		1					
3211 GLASS AND GLASS PRODUCTS	6		6					
3241 BUILDING CEMENT	88,446		88,446					
3291 MISCELLANEOUS NONMETALLIC MINERAL PROD	1,011		11				1,004	
3311 PIG IRON	1,736		1,736					
3315 IRON, STEEL SHAPES, EXC SHEET	25,269		25,269					
3317 IRON AND STEEL PIPE AND TUBE	325		325					
3319 IRON AND STEEL PRODUCTS, NEC	122		122					
3411 FABRICATED METAL PRODUCTS	34		33		1			
3511 MACHINERY, EXCEPT ELECTRICAL	2,899		2,888		51			
3611 ELECTRICAL MACH AND EQUIP	14		14					
3711 MOTOR VEHICLES, PARTS, EQUIP	61,444		61,444	20				

SAN FRANCISCO, CA, DISTRICT

23

RICHMOND HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
3721 AIRCRAFT AND PARTS-----	1	1						
3731 SHIPS AND BOATS-----	3	3						
3911 MISC MANUFACTURED PRODUCTS-----	1	1						
4011 IRON AND STEEL SCRAP-----	240,169		240,169					
4029 WASTE AND SCRAP, NEC-----	761,700						761,700	
4112 COMMODITIES, NEC-----	1,205	1,195	10					

SAN PABLO BAY AND MARE ISLAND STRAIT, CALIF.

SECTION INCLUDED: ALL OF SAN PABLO BAY AND MARE ISLAND STRAIT. CONTROLLING DEPTH: PINOLE SHOAL CHANNEL 37.5 FEET FROM S. P. BUOY 4* BEGINNING OF CHANNEL TO BUOY 9; 36.0 FEET TO BUOY 11; 33.2 FEET TO END OF CHANNEL; MARE ISLAND STRAIT (THE MAINTAINED DEPTH 55% OF PROJECT WIDTH) 35.2 FEET TO THE NAVY AMMUNITION PIER; 32.2 FEET TO FINGER PIER NO. 2; 31.3 FEET TO "A" STREET (END OF MAINTAINED SECTION); 17.9 FEET TO THE END OF 26-FOOT PROJECT AT CAUSEWAY. PROJECT DEPTH: 35 FEET IN PINOLE SHOAL CHANNEL AND 30 FEET IN MARE ISLAND STRAIT, EXCEPT AT UPSTREAM END OF TURNING BASIN, 26 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1976-----	29,491,610	1981-----	31,582,250
1977-----	32,656,140	1982-----	31,177,922
1978-----	29,097,916	1983-----	29,103,850
1979-----	28,119,814	1984-----	28,783,513
1980-----	30,961,039	1985-----	28,286,726

* PASSENGERS--5,032.

FREIGHT TRAFFIC, 1985

OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	IMPORTS	EXPORTS	THROUGH		RECEIPTS	SHIPMENTS	THROUGH	
				UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
TOTAL-----	23,192,961	81,589	728,962	2,205,982	3,749,539	3,276,061	1,863,917	7,850,565	3,436,346
0101 COTTON, RAW-----	14,193				14,193				
0103 CORN-----	4,042								4,042
0105 RICE-----	543,368				498,304				45,064
0106 SORGHUM GRAINS-----	44				44				
0107 WHEAT-----	247,272				247,272				
0119 OILSEEDS, NEC-----	25,850				25,850				
0129 FIELD CROPS, NEC-----	6				6				
0131 FRESH FRUITS-----	79				79				
0141 FRESH AND FROZEN VEGETABLES-----	170				170				
1051 ALUMINUM DRES, CONCENTRATES-----	9,760		9,760						
1091 NONFERROUS DRES, CONCENT, NEC-----	2,205		2,205						
1121 COAL AND LIGNITE-----	25,456				25,456				
1311 CRUDE PETROLEUM-----	9,875,122					2,976,386		5,834,431	1,464,305
1351 CLAY-----	9,934				9,934				
1492 SULPHUR, DRY-----	107,760				107,760				
1494 GYPSUM, CRUDE AND PLASTERS-----	450,752		450,752						
1499 NONMETALLIC MINERALS, NEC-----	24				24				
2011 MEAT, FRESH, CHILLED, FROZEN-----	43				43				
2012 MEAT AND PRODUCTS, NEC-----	35			21	14				
2015 ANIMAL BY-PRODUCTS, NEC-----	20				20				
2022 DRIED MILK AND CREAM-----	12,164				12,164				
2034 VEGETABLES AND PREP, NEC-----	87			44	43				
2039 PREP FRUIT AND VEG JUICE, NEC-----	658			461	197				
2042 ANIMAL FEEDS-----	24,260			8,234	16,026				
2049 GRAIN MILL PRODUCTS, NEC-----	2				2				
2061 SUGAR-----	728,165			12,480				715,685	
2062 MOLASSES-----	12,302			12,302					
2091 ALCOHOLIC BEVERAGES-----	119			100	19				
2099 MISCELLANEOUS FOOD PRODUCTS-----	32,481				32,481				
2111 TOBACCO MANUFACTURES-----	2				2				
2211 BASIC TEXTILE PRODUCTS-----	209	13		42	264				
2311 APPAREL-----	122	2		111	9				
2411 LOGS-----	74,871			35	74,836				
2416 WOOD CHIPS, STAVES, HOLDINGS-----	225,786				225,786				
2421 LUMBER-----	56,302				56,302				
2491 WOOD MANUFACTURES, NEC-----	189			45	144				
2511 FURNITURE AND FIXTURES-----	177	10		167					
2621 STANDARD NEWSPRINT PAPER-----	15,020			15,020					
2631 PAPER AND PAPERBOARD-----	345			284	1				
2691 PULP AND PAPER PRODUCTS, NEC-----	2			2					
2711 PRINTED MATTER-----	30			8	22				
2810 SODIUM HYDROXIDE-----	79,213							68,227	30,986
2817 BENZENE AND TOLUENE-----	3,245			3,245					
2819 BASIC CHEMICALS AND PROD, NEC-----	436,190	60,975	2,260	207,282	6,345			151,162	10,162
2821 PLASTIC MATERIALS-----	25			6	21				
2841 SOAP-----	6				2				
2891 PAINTS-----	6				6				
2861 GUM AND WOOD CHEMICALS-----	2,785							2,785	
2871 NITROGENOUS CHEM FERTILIZERS-----	304,232			142,360				141,860	
2872 POTASSIC CHEM FERTILIZERS-----	3,712			3,712					

Waterborne Commerce of the United States, 1985

SAN PABLO BAY AND MARE ISLAND STRAIT, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

OCEANGOING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	THROUGH		RECEIPTS	SHIPMENTS	THROUGH	
				UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
2070 INSECTICIDES, DISINFECTANTS----	11	-----	-----	-----	11	-----	-----	-----	-----
2079 FERTILIZER AND MATERIALS, NEC----	13,227	-----	-----	10,082	3,145	-----	-----	-----	-----
2091 MISCELLANEOUS CHEMICAL PROD-----	3,047	-----	-----	20	488	-----	-----	-----	-----
2011 GASOLINE-----	2,729,450	-----	346	873,296	-----	65,888	686,815	145,937	957,284
2012 JET FUEL-----	255,058	-----	43,766	-----	9,721	-----	114,944	10,235	67,392
2014 DISTILLATE FUEL OIL-----	1,626,021	-----	113,137	24,249	218,609	120,284	728,471	180,779	240,444
2015 RESIDUAL FUEL OIL-----	3,403,571	-----	560,449	-----	1,286,347	57,239	108,641	992,986	388,849
2016 LUBRICATING OILS AND GREASES----	281,058	-----	-----	-----	12,546	-----	120,245	-----	148,267
2017 NAPHTHA, PETROLEUM SOLVENTS----	59,230	20,557	-----	21,713	-----	-----	-----	5,234	11,726
2020 COKE, PETROLEUM COKE-----	847,485	-----	-----	-----	847,485	-----	-----	-----	-----
2091 PETROLEUM AND COAL PROD, NEC----	92,301	-----	-----	-----	-----	-----	12,200	12,200	67,841
3011 RUBBER AND MISC PLASTIC PROD-----	156	-----	-----	74	82	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS----	50	4	-----	6	-----	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	71	-----	-----	11	-----	-----	-----	-----	-----
3241 BUILDING CEMENT-----	86,107	-----	-----	86,107	-----	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS----	22	-----	-----	-----	22	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	146	-----	-----	95	51	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	10,702	-----	-----	10,702	-----	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	167	-----	-----	126	41	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC----	1	-----	-----	-----	1	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	31	-----	-----	29	2	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	592	2	-----	128	462	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,378	-----	-----	430	1,948	-----	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	225	18	-----	112	95	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	230,559	-----	-----	229,876	713	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	27	-----	-----	-----	27	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	75	-----	-----	-----	27	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	206	4	-----	198	-----	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	96,422	-----	-----	-----	96,422	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	34,392	-----	-----	34,391	1	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	644	-----	-----	-----	644	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	48	-----	-----	13	35	-----	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	399	-----	-----	-----	399	-----	-----	-----	-----

TON-MILES, OCEANGOING, 241,536,193.

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	INBOUND	OUTBOUND	THROUGH			
				UPBOUND	DOWNBOUND	UPBOUND	DOWNBOUND
TOTAL-----	5,093,765	981,861	226,786	153,763	74,100	2,299,305	1,357,950
0931 MARINE SHELLS, UNMANUFACTURED-----	20,350	-----	-----	-----	-----	20,350	-----
1311 CRUDE PETROLEUM-----	2,590,620	673,239	16,203	-----	-----	1,809,095	92,123
1402 SAND, GRAVEL, CRUSHED ROCK-----	305,349	-----	2,049	-----	-----	36,900	266,400
1491 SALT-----	132,000	-----	-----	-----	-----	132,000	-----
2061 SUGAR-----	35,287	-----	-----	-----	-----	-----	35,287
2413 FUEL WOOD, CHARCOAL, WASTES-----	300	-----	300	-----	-----	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	1,300	-----	300	-----	-----	-----	1,000
2810 SODIUM HYDROXIDE-----	8,806	-----	-----	-----	-----	8,806	-----
2861 GUM AND WOOD CHEMICALS-----	4,800	-----	-----	-----	-----	4,800	-----
2911 GASOLINE-----	44,109	17,039	4,541	-----	-----	19,076	3,453
2912 JET FUEL-----	40,884	1,451	-----	-----	-----	-----	39,433
2914 DISTILLATE FUEL OIL-----	94,134	23,819	17,960	6,863	-----	-----	49,492
2915 RESIDUAL FUEL OIL-----	878,038	41,213	141,691	-----	-----	59,966	635,164
2916 LUBRICATING OILS AND GREASES----	24,765	-----	24,765	-----	-----	-----	-----
2917 NAPHTHA, PETROLEUM SOLVENTS----	10,509	10,132	377	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC----	2,652	-----	-----	-----	-----	2,652	-----
3291 MISC NONMETALLIC MINERAL PROD-----	129,179	-----	-----	-----	-----	6,700	123,179
3315 IRON, STEEL SHAPES, EXC SHEET-----	249	-----	-----	-----	-----	-----	249
3411 FABRICATED METAL PRODUCTS-----	634	-----	-----	-----	-----	-----	166
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,300	-----	-----	-----	-----	400	500
4029 WASTE AND SCRAP, NEC-----	557,400	214,508	15,600	146,900	74,100	1,000	105,300
4114 WATERWAY IMPROVEMENT MAT-----	209,100	-----	3,000	-----	-----	199,900	6,200

TON-MILES, INTERNAL, 49,756,126.

TONS, ALL TRAFFIC, 26,286,776.

TON-MILES, ALL TRAFFIC, 311,292,319.

CARQUINEZ STRAIT, CALIF.

SECTION INCLUDED: ALL OF CARQUINEZ STRAIT FROM DAVIS POINT ON THE WESTERLY END TO THE BENICIA-MARTINEZ BRIDGE AT BUISUN POINT ON THE EASTERLY END, A DISTANCE OF ABOUT 8 MILES. CONTROLLING DEPTH: 33 FEET. PROJECT DEPTH: 45 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1976-----	24,244,013	1981-----	26,341,975
1977-----	24,740,631	1982-----	29,805,889
1978-----	21,825,012	1983-----	23,049,617
1979-----	22,273,172	1984-----	22,040,317
1980-----	25,341,942	1985-----	21,522,175

* PASSENGERS--5,032.

SAN FRANCISCO, CA, DISTRICT

25

CARQUINEZ STRAIT, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1965

OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		THROUGH		DOMESTIC		THROUGH	
		IMPORTS	EXPORTS	UPBOUND	DOWNBOUND	RECEIPTS	SHIPMENTS	UPBOUND	DOWNBOUND
TOTAL-----	17,242,432	1,181,400	1,506,996	1,024,483	2,242,543	7,272,139	1,950,267	575,037	1,401,468
0101 COTTON, RAW-----	14,193				14,193				
0103 CORN-----	4,042								4,042
0105 RICE-----	543,368		5		498,299				45,064
0106 BORGHUM GRAINS-----	44				44				
0107 WHEAT-----	247,272				247,272				
0119 OILSEEDS, NEC-----	25,050				25,050				
0129 FIELD CROPS, NEC-----	6		5		1				
0131 FRESH FRUITS-----	79		30		49				
0141 FRESH AND FROZEN VEGETABLES-----	170		33		137				
1051 ALUMINUM ORES, CONCENTRATES-----	9,760			9,760					
1091 NONFERROUS ORES, CONCENT, NEC-----	2,205			2,205					
1121 COAL AND LIGNITE-----	25,456			25,456					
1311 CRUDE PETROLEUM-----	6,898,736				5,314,262	926,095		118,169	538,260
1451 CLAY-----	9,934				9,934				
1492 SULPHUR, DRY-----	107,760				107,760				
1494 GYPSUM, CRUDE AND PLASTERS-----	450,752			450,752					
1499 NONMETALLIC MINERALS, NEC-----	24		24						
2011 MEAT, FRESH, CHILLED, FROZEN-----	43				43				
2012 MEAT AND PRODUCTS, NEC-----	35			21	14				
2015 ANIMAL BY-PRODUCTS, NEC-----	20				20				
2022 DRIED MILK AND CREAM-----	12,164				12,164				
2034 VEGETABLES AND PREP, NEC-----	87	6		34	43				
2039 PREP FRUIT AND VEG JUICE, NEC-----	658		1	461	196				
2042 ANIMAL FEEDS-----	24,260			8,234	16,026				
2049 GRAIN MILL PRODUCTS, NEC-----	2				2				
2061 SUGARS-----	726,165			12,489	713,675				
2062 MGLASSBS-----	12,302			12,302					
2061 ALCOHOLIC BEVERAGES-----	119			100	19				
2099 MISCELLANEOUS FOOD PRODUCTS-----	32,461		35		32,426				
2111 TORRACO MANUFACTURES-----	2			2					
2211 BASIC TEXTILE PRODUCTS-----	246	22		20	244				
2311 APPAREL-----	120	81		30	9				
2411 LOGS-----	74,871			35	74,836				
2416 WOOD CMPS, STAVS, MOLDINGS-----	225,786				225,786				
2491 WOOD MANUFACTURES, NEC-----	149		127	45	17				
2511 FURNITURE AND FIXTURES-----	167			167					
2621 STANDARD NEWSPRINT PAPER-----	15,020			15,020					
2631 PAPER AND PAPERBOARD-----	345	1	1	345					
2691 PULP AND PAPER PRODUCTS, NEC-----	3			2					
2711 PRINTED MATTER-----	79,213			8	72				
2810 SODIUM HYDROXIDE-----	3,245		3,245					48,227	30,986
2817 BENZENE AND TOLUENE-----	372,951	26,360		178,422	4,345			151,162	10,167
2819 BASIC CHEMICALS AND PROD, NEC-----	25		1	4	20				
2821 PLASTIC MATERIALS-----	8			2					
2841 SOAP-----	4			4					
2951 PAINTS-----	2,785							2,785	
2961 GUM AND WOOD CHEMICALS-----	304,232			162,368				141,864	
2971 NITROGENOUS CHEM FERTILIZERS-----	3,712			3,712					
2972 PHOSPHORIC CHEM FERTILIZERS-----	11				11				
2974 INSECTICIDES, DISINFECTANTS-----	13,227			10,082	3,145				
2976 FERTILIZER AND MATERIALS, NEC-----	466		463	20	3				
2991 MISCELLANEOUS CHEMICAL PROD-----	1,976,441	873,296			129,824	410,202		16,113	547,006
2911 GASOLINE-----	96,348		9,721		19,255	67,392			
2912 JET FUEL-----	446,127	24,295	207,535		11,074	187,779			152,711
2914 DISTILLATE FUEL OIL-----	2,648,222		909,098		377,249	910,354		79,243	114,879
2915 RESIDUAL FUEL OIL-----	160,813		12,580		6	148,267			
2916 LUBRICATING OILS AND GREASES-----	34,673	21,713			11,726	4,234			
2917 NAPHTHA, PETROLEUM SOLVENTS-----	847,485		366,249		481,236				
2920 COKE, PETROLEUM COKE-----	40,101				9,503	12,240			54,354
2991 PETROLEUM AND COAL PROD, NEC-----	156	20		54	82				
3011 RUBBER AND MISC PLASTIC PROD-----	46	12		34					
3111 LEATHER AND LEATHER PRODUCTS-----	11			11					
3211 GLASS AND GLASS PRODUCTS-----	86,107			86,107					
3241 BUILDING CEMENT-----	22	15		22					
3291 CUT STONE AND STONE PRODUCTS-----	146			40	51				
3291 MISC NONMETALLIC MINERAL PROD-----	10,702	247		10,455					
3315 IRON, STEEL SHAPES, EXC SHEET-----	167			124	41				
3317 IRON AND STEEL PIPE AND TUBE-----	1				1				
3319 IRON AND STEEL PRODUCTS, NEC-----	31			20					
3329 COPPER ALLOYS, UNWORKED-----	590	19	11	109	451				
3411 FABRICATED METAL PRODUCTS-----	2,378	224	8	204	1,940				
3511 MACHINERY, EXCEPT ELECTRICAL-----	207	45		67	95				
3611 ELECTRICAL MACH AND EQUIP-----	230,589	224,675	698	1	15				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	27				27				
3731 SHIPS AND BOATS-----	75	2		46	27				
3811 INSTR, TIME, PHOTO, OPT GOODS-----	198	18		180					
3911 MISC MANUFACTURED PRODUCTS-----	96,622			34,351	46,622				
4011 IRON AND STEEL SCRAP-----	34,392			41					
4012 NONFERROUS METAL SCRAP-----	644		408	236					
4024 PAPER WASTE AND SCRAP-----	48	3	2	10	33				
4112 COMMODITIES, NEC-----	399		21		378				
9999 DEPARTMENT OF DEFENSE AND SEC-----									
TON-MILES, OCEANGOING,-----	117,021,280								

CARQUINEZ STRAIT, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH UPBOUND	DOWNBOUND
TOTAL	4,270,763	2,012,523	1,046,549	85,366	9,248	308,445	727,172
1311 CRUDE PETROLEUM	1,096,777	1,036,401	98,711				61,664
1442 SAND, GRAVEL, CRUSHED ROCK	266,400						266,400
1491 SALT	132,000					132,000	
2001 SUGAR	35,297		35,297				
2413 FUEL OIL, CHARTER, WASTES	300					300	
2414 TIMBER, POSTS, POLES, PILING	1,300					300	1,000
2810 SODIUM HYDROXIDE	8,856					8,856	
2891 GUM AND GUM CHEMICALS	9,400					9,400	
2911 GASOLINE	47,946	12,651	5,034			9,403	15,857
2912 JET FUEL	39,433		39,433				
2914 DISTILLATE FUEL OIL	94,431	6,249	74,386			16,500	6,249
2915 RESIDUAL FUEL OIL	988,474	155,570	486,394	45,366	9,248	26,299	23,596
2917 NAPHTHA, PETROLEUM SOLVENTS	10,509					377	10,132
2991 PETROLEUM AND COAL PROD, NEC	2,652	2,652					
3201 WIDE NONMETALLIC MINERAL PROD	129,179					6,000	123,179
3315 IRON, STEEL SHAPES, EXC SHEET	249						249
3511 MACHINERY, EXCEPT ELECTRICAL	1,300					400	900
4020 WASTE AND SCRAP, NEC	320,800		105,300			1,000	214,500
4110 WATERWAY IMPROVEMENT MAT	206,100					66,900	6,297
TON-MILES, INTERNAL	24,657,165						
TONS, ALL TRAFFIC	21,522,175						
TON-MILES, ALL TRAFFIC	145,679,645						

SUISUN BAY CHANNEL, CALIF.

SECTION INCLUDES: SUISUN BAY CHANNEL FROM SUISUN POINT AT WEST END OF BENICIA-MARTINEZ BRIDGE TO EAST REACH OF MIDDLEGROUND ISLAND THENCE TO MOUTH OF NEW YORK SLOUGH. CONTROLLING DEPTH: 32.0 FEET FROM SUISUN POINT TO AVON HARBOUR 31.6 FEET TO PRESTON POINT 29.1 FEET TO MIDDLE POINT 29.7 FEET THROUGH EAST REACH MIDDLEGROUND ISLAND TO MOUTH OF NEW YORK SLOUGH. PROJECT DEPTH: 33 FEET FROM BENICIA-MARTINEZ BRIDGE TO AVON PIER, 35 FEET FOR REMAINDER OF CHANNEL.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1976	8,210,145	1981	8,041,407
1977	7,920,404	1982	7,037,843
1978	5,787,340	1983	7,144,644
1979	6,121,200	1984	8,000,172
1980	8,092,843	1985	8,547,087

* PASSENGERS--5,032.

FREIGHT TRAFFIC, 1985

FOREIGN

(SHORT TONS)

COMMODITY	TOTAL	IMPORTS	EXPORTS	THROUGH UPBOUND	DOWNBOUND
TOTAL	3,267,026	11	350,220	1,024,472	1,492,323
0101 COTTON, RAW	14,193				14,193
0105 RICE	408,299				408,299
0106 SORGHUM GRAINS	84				84
0107 WHEAT	247,272				247,272
0119 OILSEEDS, NEC	25,850				25,850
0129 FIELD CROPS, NEC	1				1
0131 FRESH FRUITS	40				40
0140 FRESH AND FROZEN VEGETABLES	137				137
1051 ALUMINUM DRES, CONCENTRATES	9,760			9,760	
1091 NONFERROUS DRES, CONCENT, NEC	2,205			2,205	
1121 COAL AND LIGNITE	25,454			25,454	
1451 CLAY	9,934				9,934
1492 SULPHUR, DRY	107,760				107,760
1494 GYPSUM, CRUDE AND PLASTERS	450,752			450,752	
2011 MEAT, FRESH, CHILLED, FROZEN	43				43
2012 MEAT AND PRODUCTS, NEC	35			21	14
2015 ANIMAL BY-PRODUCTS, NEC	20				20
2022 DRIED MILK AND CREAM	12,164				12,164
2034 VEGETABLES AND PREP, NEC	81			38	43
2039 PREP FRUIT AND VEG JUICE, NEC	657			461	196
2042 ANIMAL FEEDS	24,260			8,234	16,026
2099 GRAIN MILL PRODUCTS, NEC	2				2
2901 SUGAR	12,480			12,480	
2902 MOLASSES	12,302			12,302	
2991 ALCOHOLIC BEVERAGES	119			100	19
2999 MISCELLANEOUS FOOD PRODUCTS	32,426				32,426
2111 TOBACCO MANUFACTURES	2			2	
2211 BASIC TEXTILE PRODUCTS	264			20	244
2311 APPAREL	30			30	
2411 LOGS	74,871			35	74,836
2416 WOOD CHIPS, STAVES, HOLDINGS	225,786				225,786
2491 WOOD MANUFACTURES, NEC	62	11		14	17
2511 FURNITURE AND FIXTURES	167			167	

SAN FRANCISCO, CA, DISTRICT

27

AUSON BAY CHANNEL, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

FOREIGN--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	IMPORTS	EXPORTS	THROUGH	
				UPBOUND	DOWNBOUND
2621 STANDARD NEWSPRINT PAPER	15,020			15,020	
2631 PAPER AND PAPERBOARD	343			343	
2691 PULP AND PAPER PRODUCTS, NEC	2			2	
2711 PRINTED MATTER	30			6	22
2810 BASIC CHEMICALS AND PROD, NEC	183,267			178,922	4,345
2821 PLASTIC MATERIALS	28			4	22
2881 SOAP	8			6	2
2881 PAINTS	8				4
2871 NITROGENOUS CHEM FERTILIZERS	162,368			162,368	
2872 PHOSPHORIC CHEM FERTILIZERS	3,712			3,712	
2876 INSECTICIDES, DISINFECTANTS	11				11
2879 FERTILIZER AND MATERIALS, NEC	13,227			16,082	3,145
2891 MISCELLANEOUS CHEMICAL PROD	23			20	3
2914 DISTILLATE FUEL OIL	11,074		11,074		
2915 RESIDUAL FUEL OIL	377,249		338,736		38,513
2916 LUBRICATING OILS AND GREASES	6				6
2920 COAL, PETROLEUM COKE	481,236				481,236
3011 RUBBER AND MISCELL PLASTIC PROD	136			54	82
3111 LEATHER AND LEATHER PRODUCTS	34			34	
3211 GLASS AND GLASS PRODUCTS	11			11	
3241 BUILDING CEMENT	38,107			36,107	
3241 CEMENT AND STONE PRODUCTS	22			22	
3291 MISC NONMETALLIC MINERAL PROD	131			60	51
3315 IRON, STEEL SHAPES, ETC SHEET	10,455			10,455	
3317 IRON AND STEEL PIPE AND TUBE	167			126	41
3319 IRON AND STEEL PRODUCTS, NEC	1				1
3327 COPPER ALLOYS, UNWORKED	11			29	2
3411 FABRICATED METAL PRODUCTS	560			100	451
3411 MACHINERY, EXCEPT ELECTRICAL	2,146		10	206	1,930
3411 ELECTRICAL MACH AND EQUIPMENT	162			67	95
3711 MOTOR VEHICLES, PARTS, EQUIP	16			1	15
3731 SHIPS AND BOATS	27		22		5
3811 INSTA, TIME, PHOTO, OPT. GOODS	73			64	27
3911 MISC MANUFACTURED PRODUCTS	180			180	
4111 IRON AND STEEL SCRAP	98,622				98,622
4112 NONFERROUS METAL SCRAP	38,382			38,351	41
4220 WASTE AND SCRAP, NEC	236				236
4112 COMMUNITIES, NEC	83			10	33
4998 DEPARTMENT OF DEFENSE AND SEC	378		378		

TON- Miles, FOREIGN, 38,618,787.

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		THROUGH		INTERNAL		THROUGH	
		RECEIPTS	SHIPMENTS	UPBOUND	DOWNBOUND	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL	3,280,061	220,951	1,328,618	345,086	152,850	87,371	465,367	155,143	315,475
3103 CORN	4,042				4,042				
3105 RICE	45,044				45,044				
3111 CRUD. PETROLEUM	229,235	118,169	538,260				72,806		
3402 SAND, GRAVEL, CRUSHED ROCK	240,440						87,300		178,100
3491 SALT	132,070							132,000	
3413 FUEL, WOOD, CHARCOAL, WASTES	300					300			
3414 TIMBER, POSTS, POLES, PILING	1,300								1,000
3410 SODIUM HYDROXIDE	88,019			88,227	30,986			6,806	
3410 BASIC CHEMICALS AND PROD, NEC	161,324			151,162	10,162				
3461 GUM AND WOOD CHEMICALS	7,585			2,785				8,800	
3471 NITROGENOUS CHEM FERTILIZERS	161,866			161,866					
3411 GASOLINE	588,379	16,113	547,006			6,803	15,857		
3414 DISTILLATE FUEL OIL	148,324		132,711			17,317	4,296		
3415 RESIDUAL FUEL OIL	323,556	78,263	55,822		55,857	43,274	60,876	8,037	4,267
3417 KEROSENE, PETROLEUM SOLVENTS	15,743	5,234			377		10,132		
3491 PETROLEUM AND COAL PROD, NEC	70,508	11,192	55,219	1,048	3,139				
3491 MISC NONMETALLIC MINERAL PROD	129,179							6,000	123,179
3315 IRON, STEEL SHAPES, ETC SHEET	249								249
3411 MACHINERY, EXCEPT ELECTRICAL	1,300							800	500
4220 WASTE AND SCRAP, NEC	215,530						214,500	1,000	
4112 WATERWAY IMPROVEMENT MAT	206,100							199,900	6,200

TON- Miles, DOMESTIC, 20,063,007.

TONS, ALL TRAFFIC, 6,587,067.

TON- Miles, ALL TRAFFIC, 58,681,794.

Waterborne Commerce of the United States, 1985

SAN RAFAEL CREEK, CALIF.

SECTION INCLUDED: FROM THE BEACON MARKING THE ENTRANCE OF THE CHANNEL ACROSS THE FLATS IN SAN FRANCISCO BAY TO IRVIN STREET, SAN RAFAEL, CALIFORNIA. CONTROLLING DEPTH: 7.2 FEET IN THE CHANNEL ACROSS THE FLATS IN SAN FRANCISCO BAY TO THE MOUTH OF THE CREEK; 4.6 FEET AT MOUTH OF CREEK; 5.0 FEET IN THE CREEK TO TURNING BASIN; 2.2 FEET TO GRAND AVENUE BRIDGE. PROJECT DEPTH: 8 FEET ACROSS THE FLATS AND 6 FEET IN SAN RAFAEL CREEK.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1976	2	1981	6
1977	1	1982	2
1978	1	1983	1
1979		1984	
1980		1985	338,569

FREIGHT TRAFFIC, 1985

DOMESTIC

(SHORT TONS)

COMMODITY	INTERNAL	OUTBOUND
4029 WASTE AND SCRAP, NEC		338,569

HUMBOLDT HARBOR AND BAY, CALIF.

SECTION INCLUDED: ENTRANCE CHANNEL TO BAY AND CHANNELS IN BAY BETWEEN ARCATIA WHARF ON THE NORTH AND FIELDS LANDING ON THE SOUTH. CONTROLLING DEPTH: BAR ENTRANCE CHANNEL, 29.4 FEET; CHANNEL BETWEEN THE JETTIES 26.4 FEET; CHANNEL AT INTERSECTION OF FIELDS LANDING AND NORTH BAY CHANNEL, 27.7 FEET; NORTH BAY CHANNEL, 23.6 FEET TO STANDARD OIL WHARF AT BUCKSPORT, 34.7 FEET FOR REMAINDER OF CHANNEL; SAMOA CHANNEL, 33.9 FEET; 30.5 FEET IN SAMOA TURNING BASIN; EUREKA CHANNEL, 27.6 FEET TO ANGLE IN CHANNEL, 11.0 FEET TO "D" STREET, 9.2 FEET TO HEAD OF PROJECT; FIELDS LANDING CHANNEL, 28.2 FEET TO BUNNE POINT, 27.4 FEET AT BUNNE POINT; 27.1 FEET TO TURNING BASIN, 22.7 FEET IN TURNING BASIN, 17.2 FEET IN SOUTHEAST CORNER OF TURNING BASIN. PROJECT DEPTH: ENTRANCE CHANNEL, 40 FEET; NORTH BAY, SAMOA, AND LOWER PORTION OF EUREKA CHANNEL 30 FEET, UPPER PORTION OF EUREKA CHANNEL AND FIELDS LANDING CHANNEL, 26 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1976	1,775,516		1,775,516	1981	820,404		820,404
1977	1,644,573		1,644,573	1982	873,001		873,001
1978	1,454,665		1,454,665	1983	1,151,953		1,151,953
1979	1,313,116		1,313,116	1984	4,294,159		4,294,159
1980	1,324,045		1,324,045	1985	1,411,599		1,411,599

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS
TOTAL	1,411,599	72,230	907,361	427,027	45,445	14,096
0120 FIELD CROPS, NEC	2	2				
0411 FRESH FISH, EXCEPT SHELLFISH	13,206					13,206
0412 SHELLFISH, EXCEPT PREPARED	890					890
1911 ORNANCE AND ACCESSORIES	1	1				
2012 MEAT AND PRODUCTS, NEC	26	26				
2030 PREP FRUIT AND VEG JUICE, NEC	36	36				
2040 GRAIN MILL PRODUCTS, NEC	15	15				
2081 ALCOHOLIC BEVERAGES	1,069	1,069				
2090 MISCELLANEOUS FOOD PRODUCTS	56	56				
2211 BASIC TEXTILE PRODUCTS	5	5				
2311 APPAREL	23	23				
2411 LOGS	226,277		226,277			
2416 WOOD CHIPS, STAVES, HOLDINGS	301,004		301,004			
2421 LUMBER	44,324	231	14,400		30,693	
2431 VENEER, PLYWOOD, WORKED WOOD	380	380				
2491 WOOD MANUFACTURES, NEC	40	40				
2511 FURNITURE AND FIXTURES	144	144				
2611 PULP	276,045	412	275,633			
2621 STANDARD WEIGHT PAPER	6,519	6,519				
2631 PAPER AND PAPERBOARD	27	27				
2810 SODIUM HYDROXIDE	63,004			63,004		
2816 SULPHURIC ACID	9,485			9,485		
2819 BASIC CHEMICALS AND PROD, NEC	18,230	58		18,176		
2821 PLASTIC MATERIALS	39	39				
2941 SOAP	77	77				
2991 MISCELLANEOUS CHEMICAL PROD	26,424	28		26,400		
2911 GASOLINE	37,746			37,746		
2914 DISTILLATE FUEL OIL	86,148			86,148		
2915 RESIDUAL FUEL OIL	36,506			36,506		
2991 PETROLEUM AND COAL PROD, NEC	195,678			184,882	11,192	
3011 RUBBER AND MISC PLASTIC PROD	98	98				
3111 LEATHER AND LEATHER PRODUCTS	9	9				
3291 STRUCTURAL CLAY PRODUCTS	37	37				
3291 MISC NONMETALLIC MINERAL PROD	20	20				

SAN FRANCISCO, CA, DISTRICT

29

HUMBOLDT HARBOR AND BAY, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		INTERNAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	SHIPMENTS	
3315 IRON, STEEL SHAPES, EXC SHEET-----	12,125	12,125	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	391	391	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	41	41	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	8	8	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	5	5	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	88	88	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	124	124	-----	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	22	22	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1	1	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	40	40	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	16	16	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	23	23	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	49	2	47	-----	-----	-----
TOTAL TON-MILES. 7,496,061.						

Waterborne Commerce of the United States, 1985

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY PROJECT	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
BENKELEY, CALIF.				101,186
BODEGA BAY, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	3,412		
	0912 SHELLFISH, EXCEPT PREPARED	157		
	TOTAL	3,569	7,138	
CRESCENT CITY HARBOR, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	6,946		
	0912 SHELLFISH, EXCEPT PREPARED	3,159		
	TOTAL	10,105		
HALF MOON BAY, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	1,820		
	0912 SHELLFISH, EXCEPT PREPARED	137		
	TOTAL	1,957		
MONTREY HARBOR, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	5,845		
	0912 SHELLFISH, EXCEPT PREPARED	5,357		
	TOTAL	9,202		
MOSS LANDING HARBOR, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	4,516		
	0912 SHELLFISH, EXCEPT PREPARED	851		
	TOTAL	5,367		
NAPA RIVER, CALIF.	1491 SALT	132,000		
	3411 FABRICATED METAL PRODUCTS	834		
	4110 WATERWAY IMPROVEMENT MAT	6,500		
	TOTAL	139,334	1,141,608	
NOYO RIVER, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	6,193		
	0912 SHELLFISH, EXCEPT PREPARED	85		
	TOTAL	6,278	6,278	
PETALUMA RIVER, CALIF.	0931 MARINE SHELLS, UNMANUFACTURED	20,350		
	1442 SAND, GRAVEL, CRUSHED ROCK	15,700		
	TOTAL	36,050	1,184,600	
SANTA CRUZ HARBOR, CALIF.	NO COMMERCE REPORTED			
SUISUN CHANNEL, CALIF.	2915 RESIDUAL FUEL OIL	1,673	1,749	
NONPROJECT				
OTHER SAN FRANCISCO BAY AREA PORTS, CALIF. (NET)	0911 FRESH FISH, EXCEPT SHELLFISH	1,140		
	0912 SHELLFISH, EXCEPT PREPARED	71		
	0931 MARINE SHELLS, UNMANUFACTURED	20,350		
	1311 CRUDE PETROLEUM	7,786,126		
	1442 SAND, GRAVEL, CRUSHED ROCK	1,686,226		
	2414 TIMBER, POLES, PILING	1,000		
	2511 FURNITURE AND FIXTURES	16		
	2911 GASOLINE	9,166		
	2912 JET FUEL	100,156		
	2914 DISTILLATE FUEL OIL	51,504		
	2915 RESIDUAL FUEL OIL	676,889		
	2991 PETROLEUM AND COAL PROD, NEC	7,652		
	3291 MISC NONMETALLIC MINERAL PROD	43,400		
	3511 MACHINERY, EXCEPT ELECTRICAL	1,606		
	3611 ELECTRICAL MACH AND EQUIP	23		
	3711 MOTOR VEHICLES, PARTS, EQUIP	1		
	4029 WASTE AND SCRAP, NEC	5,540,615		
	4110 WATERWAY IMPROVEMENT MAT	920,400		
	9999 DEPARTMENT OF DEFENSE AND SCI	2		
	TOTAL	16,650,675		3,721,790

PACIFIC OCEAN DIVISION

31

HILO HARBOR, HAWAII, HAWAII

SECTION INCLUDED: PORT OF HILO. CONTROLLING DEPTH: 34.0 FEET. PROJECT DEPTH: 35 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1976-----	995,544	1,313	1981-----	1,441,590	-----
1977-----	1,013,430	6,381	1982-----	1,381,996	-----
1978-----	1,272,734	3,207	1983-----	1,522,442	-----
1979-----	1,220,438	-----	1984-----	1,670,528	-----
1980-----	1,102,019	-----	1985-----	1,318,518	-----

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	1,318,518	44,993	15,016	701,413	557,094
0105 RICE-----	2,612	-----	-----	2,612	-----
0131 FRESH FRUITS-----	5,770	-----	-----	5,770	-----
0133 COFFEE-----	453	-----	-----	453	-----
0141 FRESH AND FROZEN VEGETABLES-----	7,403	-----	-----	7,403	-----
0151 LIVE ANIMALS-----	1,366	-----	-----	1,366	-----
0161 ANIMALS AND PRODUCTS, NEC-----	357	-----	-----	357	-----
0861 FOREST PRODUCTS, NEC-----	2,905	-----	-----	2,905	-----
0912 SHELLFISH, EXCEPT PREPARED-----	164	-----	-----	164	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	192	-----	-----	192	-----
1121 COAL AND LIGNITE-----	18,154	18,154	-----	-----	-----
1491 SALT-----	284	-----	-----	284	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	522	-----	-----	522	-----
1911 ORNANCE AND ACCESSORIES-----	107	-----	-----	107	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	9,212	-----	-----	9,212	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	492	-----	-----	492	-----
2021 DAIRY PRODUCTS, NEC-----	459	-----	-----	459	-----
2034 VEGETABLES AND PREP, NEC-----	30,759	-----	-----	30,759	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	2,718	-----	-----	2,718	-----
2041 WHEAT FLOUR AND SEMOLINA-----	624	-----	-----	624	-----
2042 ANIMAL FEEDS-----	21,583	-----	-----	21,583	-----
2061 SUGAR-----	178,309	-----	-----	178,309	-----
2062 MOLASSES-----	63,375	-----	15,016	1,674	46,681
2091 ALCOHOLIC BEVERAGES-----	12,183	-----	-----	12,183	-----
2091 VEGETABLE OILS, MARG, SHORT-----	375	-----	-----	375	-----
2094 GROCERIES-----	5,701	-----	-----	5,701	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	88,319	-----	-----	28,304	59,971
2211 BASIC TEXTILE PRODUCTS-----	162	-----	-----	162	-----
2411 LOGS-----	1	-----	-----	1	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	904	-----	-----	904	-----
2414 TIMBER, POSTS, POLES, PILING-----	38	-----	-----	27	11
2421 LUMBER-----	6,034	-----	-----	4,648	1,346
2431 VENEER, PLYWOOD, WORKED WOOD-----	764	-----	-----	764	-----
2491 WOOD MANUFACTURES, NEC-----	13,044	-----	-----	4,725	8,318
2511 FURNITURE AND FIXTURES-----	5,220	-----	-----	4,049	1,171
2631 PAPER AND PAPERBOARD-----	1,024	-----	-----	1,024	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	16,598	-----	-----	16,294	304
2711 PRINTED MATTER-----	52	-----	-----	52	-----
2810 SODIUM HYDROXIDE-----	1,986	-----	-----	1,986	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	3,029	1,275	-----	1,751	1
2821 PLASTIC MATERIALS-----	302	-----	-----	302	-----
2941 SOAP-----	1,142	-----	-----	1,142	-----
2951 PAINTS-----	663	-----	-----	663	-----
2971 NITROGENOUS CHEM FERTILIZERS-----	10,716	4,459	-----	6,257	-----
2972 POTASSIC CHEM FERTILIZERS-----	2,830	2,830	-----	-----	-----
2976 INSECTICIDES, DISINFECTANTS-----	515	-----	-----	515	-----
2979 FERTILIZER AND MATERIALS, NEC-----	23,307	-----	-----	21,568	1,739
2991 MISCELLANEOUS CHEMICAL PROD-----	264	-----	-----	264	-----
2911 GASOLINE-----	73,634	-----	-----	73,634	-----
2912 JET FUEL-----	6,068	-----	-----	6,068	-----
2918 DISTILLATE FUEL OIL-----	27,198	-----	-----	27,198	-----
2915 RESIDUAL FUEL OIL-----	25,070	-----	-----	25,070	-----
2916 LUBRICATING OILS AND GREASES-----	72	-----	-----	72	-----
2918 ASPHALT, TARS, AND BITUMENS-----	296	-----	-----	296	-----
2920 COKE, PETROLEUM COKE-----	18,078	18,078	-----	-----	-----
2921 LIQUEFIED GASES-----	15,440	-----	-----	15,440	-----
2991 PETROLEUM AND COAL PROD, NEC-----	1,796	-----	-----	1,796	-----
3011 RUBBER AND MISC PLASTIC PROD-----	3,969	-----	-----	3,952	417
3211 GLASS AND GLASS PRODUCTS-----	627	-----	-----	575	62
3241 BUILDING CEMENT-----	14,213	-----	-----	14,213	-----
3251 STRUCTURAL CLAY PRODUCTS-----	192	-----	-----	192	-----
3281 CUT STONE AND STONE PRODUCTS-----	20	-----	-----	20	-----
3291 MISC NONMETALLIC MINERAL PROD-----	3,934	-----	-----	3,930	4
3312 SLAG-----	44	-----	-----	44	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	2,773	-----	-----	2,765	8
3316 IRON AND STEEL PLATES, SHEETS-----	1,572	-----	-----	1,572	-----
3317 IRON AND STEEL PIPE AND TUBE-----	1,424	-----	-----	1,424	-----
3411 FABRICATED METAL PRODUCTS-----	328,461	-----	-----	158,374	170,087
3511 MACHINERY, EXCEPT ELECTRICAL-----	978	-----	-----	562	417
3611 ELECTRICAL MACH AND EQUIP-----	403	103	-----	210	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	109,762	-----	-----	66,692	23,670
3721 AIRCRAFT AND PARTS-----	2	-----	-----	1	1
3731 SHIPS AND BOATS-----	1,487	-----	-----	1,210	277
3791 MISC TRANSPORTATION EQUIPMENT-----	30,040	-----	-----	14,606	15,434
3911 MISC MANUFACTURED PRODUCTS-----	3,973	-----	-----	3,235	738

Waterborne Commerce of the United States, 1985

MILK HARBOR, HAWAII, HAWAII--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
4011 IRON AND STEEL SCRAP-----	1,413	-----	-----	49	1,364
4112 COMMODITIES, NEC-----	102,454	-----	-----	91,059	11,395
4119 EMPTY CONTAINERS-----	38	-----	-----	4	34

KAWAIIHAE HARBOR, HAWAII, HAWAII

SECTION INCLUDED: PORT OF KAWAIIHAE. CONTROLLING DEPTH: 42.0 FEET IN ENTRANCE CHANNEL AND 36.0 FEET IN HARBOR BASIN. PROJECT DEPTH: HARBOR BASIN 35 FEET; ENTRANCE CHANNEL 40 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1976-----	263,562	1981-----	432,704
1977-----	314,197	1982-----	441,130
1978-----	502,451	1983-----	441,454
1979-----	447,521	1984-----	545,504
1980-----	516,116	1985-----	526,639

FREIGHT TRAFFIC, 1985

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE	
		RECEIPTS	SHIPMENTS
TOTAL-----	526,639	275,575	301,064
0122 HAY AND FODDER-----	15	-----	15
0151 LIVE ANIMALS-----	46,507	3,353	43,154
1911 ORDNANCE AND ACCESSORIES-----	4	-----	-----
2034 VEGETABLES AND PREP, NEC-----	6,677	1,106	5,491
2042 ANIMAL FEEDS-----	7,362	347	6,995
2061 SUGAR-----	154,984	-----	154,984
2099 MISCELLANEOUS FOOD PRODUCTS-----	30,412	9,122	21,290
2411 LOGS-----	4	-----	4
2414 TIMBER, POSTS, POLES, PILING-----	74	24	-----
2421 LUMBER-----	2,049	1,667	142
2491 WOOD MANUFACTURES, NEC-----	3,115	950	2,156
2511 FURNITURE AND FIXTURES-----	1,677	1,671	4
2631 PAPER AND PAPERBOARD-----	26	26	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	2,026	2,024	2
2479 FERTILIZER AND MATERIALS, NEC-----	849	23	866
2691 MISCELLANEOUS CHEMICAL PROD-----	1	-----	-----
2911 GASOLINE-----	12,109	12,109	-----
2914 DISTILLATE FUEL OIL-----	6,942	6,942	-----
2914 ASPHALT, TAR, AND BITUMENS-----	1,640	1,640	-----
3011 RUBBER AND MISC PLASTIC PROD-----	433	771	62
3211 GLASS AND GLASS PRODUCTS-----	4	-----	4
3241 BUILDING CEMENT-----	14,941	14,941	-----
3291 MISC NONMETALLIC MINERAL PROD-----	51	51	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	731	731	-----
3317 IRON AND STEEL PIPE AND TUBE-----	70	70	-----
3411 FABRICATED METAL PRODUCTS-----	91,435	51,866	39,569
3711 MOTOR VEHICLES, PARTS, EQUIP-----	87,674	70,507	17,171
3731 SHIPS AND BOATS-----	2,404	1,343	1,021
3791 MISC TRANSPORTATION EQUIPMENT-----	14,243	11,220	3,043
4112 COMMODITIES, NEC-----	37,649	32,748	4,861

KAHULUI HARBOR, MAUI, HAWAII

SECTION INCLUDED: PORT OF KAHULUI. CONTROLLING DEPTH: 34.0 FEET. PROJECT DEPTH: 35 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1976-----	1,276,424	1,307	1981-----	1,551,944	-----
1977-----	1,301,095	8,390	1982-----	1,443,955	-----
1978-----	1,922,112	3,879	1983-----	1,842,568	-----
1979-----	1,473,307	-----	1984-----	1,849,204	-----
1980-----	1,441,524	-----	1985-----	1,516,509	-----

PACIFIC OCEAN DIVISION

33

KAHULUI HARBOR, MAUI, HAWAII--CONTINUED

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	1,516,509	50,579	17,217	813,990	634,723
0105 RICE-----	1,114		4	1,069	41
0122 HAY AND FODDER-----	851			851	
0131 FRESH FRUITS-----	1,305		12	664	629
0141 FRESH AND FROZEN VEGETABLES-----	6,170		53	6,070	41
0151 LIVE ANIMALS-----	15,428			4,226	11,202
0161 ANIMALS AND PRODUCTS, NEC-----	20		13	7	
0861 FOREST PRODUCTS, NEC-----	366			100	266
0912 SHELLFISH, EXCEPT PREPARED-----	214			214	
1091 NONFERROUS ORES, CONCENT, NEC-----	241			241	
1121 COAL AND LIGNITE-----	5,788	5,788			
1451 CLAY-----	219			219	
1491 GYPSUM, CRUDE AND PLASTER-----	42			42	
1911 ORDNANCE AND ACCESSORIES-----	569			569	
2011 MEAT, FRESH, CHILLED, FROZEN-----	28			28	
2012 MEAT AND PRODUCTS, NEC-----	7,017		5	6,980	32
2015 ANIMAL BY-PRODUCTS, NEC-----	18		1		18
2021 DAIRY PRODUCTS, NEC-----	750			750	
2022 DRIED MILK AND CREAM-----	1		1		
2034 VEGETABLES AND PREP, NEC-----	24,565		10	9,512	15,043
2039 PREP FRUIT AND VEG JUICE, NEC-----	109,405		7	326	109,072
2041 WHEAT FLOUR AND SEMOLINA-----	434			434	
2042 ANIMAL FEEDS-----	23,385			23,367	18
2049 GRAIN MILL PRODUCTS, NEC-----	3		3		
2081 SUGARS-----	203,106		4		203,102
2082 MOLASSES-----	68,514		7,619		60,895
2081 ALCOHOLIC BEVERAGES-----	14,132		25	14,062	45
2091 VEGETABLE OILS, MARG, SHORT-----	834			835	
2094 GROCERIES-----	5,803		11	5,808	5
2099 MISCELLANEOUS FOOD PRODUCTS-----	57,838		1	42,372	15,455
2111 TOBACCO MANUFACTURES-----	1		1		
2211 BASIC TEXTILE PRODUCTS-----	453			453	
2411 LOGS-----	83			83	
2413 FUEL WOOD, CHARCOAL, WASTES-----	812			810	2
2414 TIMBER, POSTS, POLES, PILING-----	47			47	
2421 LUMBER-----	4,508			3,941	527
2431 VENEER, PLYWOOD, WORKED WOOD-----	466			466	
2441 WOOD MANUFACTURES, NEC-----	13,606			9,346	9,266
2511 FURNITURE AND FIXTURES-----	6,563			5,417	746
2611 PAPER AND PAPERBOARD-----	1,037			1,012	25
2691 PULP AND PAPER PRODUCTS, NEC-----	17,426		2	16,894	525
2711 PRINTED MATTER-----	56			56	
2810 SODIUM HYDROXIDE-----	62			62	
2813 ALCOHOLS-----	568				558
2816 RADIOACTIVE MATERIALS, WASTES-----	102				102
2818 SULPHURIC ACID-----	236			236	
2819 BASIC CHEMICALS AND PROD, NEC-----	1,480	452		417	11
2821 PLASTIC MATERIALS-----	989			989	
2841 SOAP-----	727		1	726	
2851 PAINTS-----	319			228	91
2871 NITROGENOUS CHEM FERTILIZERS-----	9,192	4,666		4,526	
2876 INSECTICIDES, DISINFECTANTS-----	532			532	
2879 FERTILIZER AND MATERIALS, NEC-----	2,386			2,384	2
2891 MISCELLANEOUS CHEMICAL PROD-----	735			715	20
2911 GASOLINE-----	72,368			72,368	
2912 JET FUEL-----	27,433			27,433	
2914 DISTILLATE FUEL OIL-----	42,482		9,480	32,919	123
2915 RESIDUAL FUEL OIL-----	8,138			8,138	
2916 LUBRICATING OILS AND GREASES-----	507		5	502	
2918 ASPHALT, TAR, AND PITCHES-----	386			386	
2920 COKE, PETROLEUM COKE-----	16,677	16,677			
2921 LIQUEFIED GASES-----	12,032			12,032	
2991 PETROLEUM AND COAL PROD, NEC-----	1,135			1,135	
3011 RUBBER AND MISC PLASTIC PROD-----	3,552			3,435	117
3211 GLASS AND GLASS PRODUCTS-----	364			347	17
3241 BUILDING CEMENT-----	26,197	4,200		21,927	70
3251 STRUCTURAL CLAY PRODUCTS-----	105			105	
3281 CUT STONE AND STONE PRODUCTS-----	23			23	
3291 MISC NONMETALLIC MINERAL PROD-----	5,339			5,338	1
3312 SLAG-----	304			304	
3315 IRON, STEEL SHAPES, EXC SHEET-----	18,967	18,572		2,395	
3316 IRON AND STEEL PLATES, SHEETS-----	1,009			1,009	
3317 IRON AND STEEL PIPE AND TUBE-----	1,844	5		1,839	
3411 FABRICATED METAL PRODUCTS-----	296,796	871		185,407	110,518
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,779			1,528	251
3611 ELECTRICAL MACH AND EQUIP-----	481			481	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	166,603	1,188		114,837	50,614
3721 AIRCRAFT AND PARTS-----	2			2	
3731 SHIPS AND BOATS-----	1,834			1,562	272
3791 MISC TRANSPORTATION EQUIPMENT-----	31,999			17,098	14,901
3911 MISC MANUFACTURED PRODUCTS-----	5,033			2,126	907
4011 IRON AND STEEL SCRAP-----	1,506				1,506
4112 COMMODITIES, NEC-----	161,909			134,590	27,319
4119 EMPTY CONTAINERS-----	457			109	348

Waterborne Commerce of the United States, 1985

BARBERS POINT HARBOR, OAHU, HAWAII

SECTION INCLUDED: BARBERS POINT HARBOR, CONTROLLING DEPTH: 42 FEET IN THE ENTRANCE CHANNEL AND 38 FEET IN THE MAIN ACCESS CHANNEL AND BASIN, PROJECT DEPTH: 42 FEET IN THE ENTRANCE CHANNEL; 38 FEET IN THE DEEP-DRAFT HARBOR MAIN ACCESS CHANNEL AND BASIN; 21 FEET IN LIGHT-DRAFT HARBOR BASIN.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1976-----	6,543,497	1981-----	5,589,741
1977-----	6,630,994	1982-----	5,707,386
1978-----	6,306,580	1983-----	7,051,230
1979-----	6,154,541	1984-----	6,564,647
1980-----	5,725,722	1985-----	6,751,709

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	6,751,709	2,900,638	689,350	2,992,044	169,677
1311 CRUDE PETROLEUM-----	4,031,582	2,695,255		2,236,327	
1442 SAND, GRAVEL, CRUSHED ROCK-----	45,125				45,125
2011 MEAT, FRESH, CHILLED, FROZEN-----	18	18			
2911 GASOLINE-----	50,361	7,635	26,540		16,137
2912 JET FUEL-----	58,707	44		58,623	
2914 DISTILLATE FUEL OIL-----	116,603	67,365	6,444	36,347	4,405
2915 RESIDUAL FUEL OIL-----	1,507,645	130,281	641,601	660,747	75,056
2917 NAPHTHA, PETROLEUM SOLVENTS-----	12,674		12,674		
2921 LIQUEFIED GASES-----	24,861				24,861
3242 BUILDING CEMENT-----	1,093				1,093
3291 MISC NONMETALLIC MINERAL PROD-----	3,000				3,000

HONOLULU HARBOR, OAHU, HAWAII

SECTION INCLUDED: PORT OF HONOLULU, CONTROLLING DEPTH: 45.0 FEET IN THE ENTRANCE CHANNEL; 40.0 FEET IN THE MAIN HARBOR BASIN; 40.0 FEET IN KAPALANA BASIN; 40.0 FEET IN THE CONNECTING CHANNEL, PROJECT DEPTH: 45.0 FEET IN THE ENTRANCE CHANNEL; 40 FEET IN HARBOR BASIN, CONNECTING CHANNEL; 35.0 FEET IN KALINI CHANNEL.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1976-----	7,189,538	1,390,524	1981-----	8,249,671	521,620
1977-----	9,481,556	303,291	1982-----	7,593,097	465,663
1978-----	7,750,537	183,721	1983-----	8,030,850	648,689
1979-----	7,463,663	311,899	1984-----	4,469,071	741,422
1980-----	7,446,270	547,242	1985-----	7,946,132	1,102,394

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	7,986,153	721,505	130,162	3,829,147	3,185,310	40,753
0102 BARLEY AND RYE-----	38,202	38,195		7		
0103 CORN-----	17,992	4,427	275	13,290		
0105 RICE-----	41,136	728	1,153	34,539	4,716	
0106 SORGHUM GRAINS-----	15					
0111 SOYBEANS-----	371	6		365		
0119 OILSEEDS, NEC-----	2,399	2,372	27			
0122 HAY AND FODDER-----	1,600			1,511	89	
0129 FIELD CROPS, NEC-----	37	37				
0131 FRESH FRUITS-----	261,401	1,272	227	140,417	79,985	
0132 BANANAS AND PLANTAINS-----	5,825			5,825		
0133 COFFEE-----	3,352	1	57	2,810	484	
0141 FRESH AND FROZEN VEGETABLES-----	109,639	2,088	45	49,975	17,531	
0151 LIVE ANIMALS-----	81,815	6		47,989	13,520	
0161 ANIMALS AND PRODUCTS, NEC-----	1,836	167	52	1,234	379	
0191 MISCELLANEOUS FARM PRODUCTS-----	191	37	154			
0861 FOREST PRODUCTS, NEC-----	6,657	249		4,612	3,796	
0911 FRESH FISH, EXCEPT SHELLFISH-----	3,162	3,161	1			
0912 SHELLFISH, EXCEPT PREPARED-----	7,082	574	29	4,070	3,309	
0931 MARINE SHELLS, UNMANUFACTURED-----	32	32				
1091 NONFERROUS ORES, CONCENT, NEC-----	2,290			1,836	454	
1121 COAL AND LIGNITE-----	14,986	14,968		18		
1311 CRUDE PETROLEUM-----	520,650	260,498		260,152		
1411 LIMESTONE-----	74			74		
1412 BUILDING STONE, UNWORKED-----						
1442 SAND, GRAVEL, CRUSHED ROCK-----	72,055	41,684		680	29,482	
1451 CLAY-----	7,993		6,580	299	219	
1471 PHOSPHATE ROCK-----	21		21			
1491 SALT-----	4,331		5	4,000	326	
1492 SULPHUR, DRY-----	3,001		3,001			
1494 GYPSUM, CRUDE AND PLASTER-----	23,523	16,188	1	3,967	1,367	
1499 NONMETALLIC MINERALS, NEC-----	4,960			4,960		

PACIFIC OCEAN DIVISION

35

HONOLULU HARBOR, OAHU, HAWAII--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	COASTWISE SHIPMENTS	INTERNAL SHIPMENTS	
2011 ORDNANCE AND ACCESSORIES-----	155	1	-----	3	151	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	132,362	6,070	851	105,207	20,234	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	256	41	215	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	1,384	-----	-----	543	801	-----	-----
2021 DAIRY PRODUCTS, NEC-----	15,713	785	2	14,657	1,269	-----	-----
2022 DRIED MILK AND CREAM-----	838	579	259	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	3,422	3,410	12	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	180,006	3,366	137	146,505	24,998	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	351,436	2,808	4,386	116,196	228,046	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	13,139	-----	1,497	10,584	1,058	-----	-----
2042 ANIMAL FEEDS-----	135,698	1,793	778	75,251	57,876	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	9,343	8,790	160	393	-----	-----	-----
2061 SUGAR-----	160,982	-----	613	2,535	157,834	-----	-----
2062 MOLASSES-----	370,180	-----	-----	157,250	212,962	-----	-----
2081 ALCOHOLIC BEVERAGES-----	160,390	5,740	746	121,969	31,955	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	16,902	186	98	15,257	1,561	-----	-----
2094 GROCERIES-----	92,118	-----	-----	78,335	13,783	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	252,909	4,791	2,948	139,694	105,476	-----	-----
2111 TOBACCO MANUFACTURES-----	2,313	74	31	2,202	6	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	8,785	2,388	65	5,651	665	-----	-----
2212 TEXTILE FIBERS-----	55	-----	-----	55	-----	-----	-----
2311 APPAREL-----	961	926	19	2	-----	-----	-----
2411 LOGS-----	771	-----	78	609	84	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	3,650	-----	14	6,495	2,163	-----	-----
2414 TIMBER POSTS, POLES, PILING-----	1,048	869	61	122	-----	-----	-----
2421 LUMBER-----	192,437	1,150	1,520	171,340	18,423	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	36,930	653	594	34,189	1,494	-----	-----
2491 WOOD MANUFACTURES, NEC-----	121,643	1,476	48	53,132	66,947	-----	-----
2511 FURNITURE AND FIXTURES-----	65,721	3,474	100	27,570	54,577	-----	-----
2611 PULP-----	1,992	702	797	493	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	30,117	25,250	-----	4,867	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	22,028	136	16	19,028	2,888	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	105,215	671	204	66,677	37,663	-----	-----
2711 PRINTED MATTER-----	5,911	1,011	13	4,779	108	-----	-----
2810 SODIUM HYDROXIDE-----	8,635	-----	-----	4,519	116	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	1,475	-----	-----	1,475	-----	-----	-----
2813 ALCOHOLS-----	1,136	-----	-----	568	568	-----	-----
2816 RADIOACTIVE MATERIALS, WASTES-----	512	-----	-----	102	410	-----	-----
2817 BENZENE AND TOLUENE-----	4,093	4,093	-----	-----	-----	-----	-----
2818 SULFURIC ACID-----	273	-----	-----	-----	273	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	27,210	1,802	4,494	16,125	4,73	-----	-----
2821 PLASTIC MATERIALS-----	7,974	438	13	6,136	1,7	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	13	-----	-----	13	-----	-----	-----
2831 DRUGS-----	2,117	16	3	2,098	-----	-----	-----
2841 SOAP-----	30,097	191	134	27,572	2,400	-----	-----
2851 PAINTS-----	14,552	38	46	13,368	1,100	-----	-----
2861 GUM AND WOOD CHEMICALS-----	21	-----	-----	21	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	45,391	5,005	-----	28,982	11,404	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	1,758	1,758	-----	-----	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	3,956	-----	3	2,517	1,436	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	20,294	2,336	161	4,594	12,903	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	4,982	3,991	55	3,495	2,041	-----	-----
2911 GASOLINE-----	229,445	23,856	-----	-----	205,589	-----	-----
2912 JET FUEL-----	138,289	32,582	-----	45,082	40,615	-----	-----
2914 DISTILLATE FUEL OIL-----	108,471	18,003	-----	8,462	41,506	-----	-----
2915 RESIDUAL FUEL OIL-----	192,889	-----	-----	29,506	44,412	49,753	70,216
2916 LUBRICATING OILS AND GREASES-----	4,533	5	6	3,428	1,094	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	22,745	-----	-----	19,603	3,162	-----	-----
2920 COKE, PETROLEUM COKE-----	5,512	5,512	-----	-----	-----	-----	-----
2921 LIQUEFIED GASES-----	7,888	8	48	-----	7,432	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	489	-----	63	426	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	23,892	-----	-----	20,255	3,637	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	26,223	4,151	359	10,720	10,993	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	2,720	1,534	1	1,185	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	9,987	3,091	20	5,840	1,036	-----	-----
3241 BUILDING CEMENT-----	122,715	48,152	16	4,405	64,642	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	6,376	2,630	4	3,350	392	-----	-----
3271 LIME-----	209	-----	-----	209	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	1,211	287	1	849	74	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	71,141	1,769	194	54,505	14,673	-----	-----
3312 SLAG-----	5,936	-----	-----	5,567	369	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	3	-----	-----	3	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	26,443	19,230	34	924	8,253	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	14,090	-----	2	11,151	2,937	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	14,796	2,521	55	8,276	3,968	-----	-----
3318 FERROALLOYS-----	228	-----	228	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	2,572	2,510	61	1	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	5,681	5	22	5,653	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	259	103	156	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	538	111	-----	427	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	327	4	7	316	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	1,070,251	6,359	455	505,444	557,968	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	22,888	4,274	455	11,459	6,678	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	13,901	8,093	1,283	7,538	1,081	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	631,053	49,521	185	196,859	386,508	-----	-----
3721 AIRCRAFT AND PARTS-----	66	6	-----	51	9	-----	-----
3731 SHIPS AND BOATS-----	10,907	106	2,005	2,432	6,368	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	92,482	-----	4	42,364	50,114	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	378	299	5	74	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	37,435	4,315	40	17,590	15,499	-----	-----
4011 IRON AND STEEL SCRAP-----	65,585	-----	54,807	3,703	7,075	-----	-----
4012 NONFERROUS METAL SCRAP-----	8,466	-----	8,466	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	58	58	-----	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	27,107	-----	27,078	-----	37	-----	-----

Waterborne Commerce of the United States, 1985

HONOLULU HARBOR, OAHU, HAWAII--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	COASTWISE SHIPMENTS	INTERNAL SHIPMENTS	
4029 WASTE AND SCRAP, NEC-----	33,833	-----	-----	33,335	498	-----	-----
4112 COMMODITIES, NEC-----	968,401	735	1,300	566,943	399,343	-----	-----
4119 EMPTY CONTAINERS-----	14,663	-----	-----	2,866	11,797	-----	-----

NAWILIWILI HARBOR, KAUAI, HAWAII

SECTION INCLUDED: PORT OF NAWILIWILI. CONTROLLING DEPTHS: 41.0 FEET IN THE OUTER CHANNEL; 41.0 FEET IN THE INNER CHANNEL; 33.0 FEET IN THE HARBOR BASIN. PROJECT DEPTH: 40 FEET IN THE CHANNEL; 35 FEET IN THE HARBOR BASIN.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1976-----	460,900	40,674	1981-----	906,595	-----
1977-----	557,794	70,063	1982-----	808,153	-----
1978-----	745,877	6,384	1983-----	1,004,649	-----
1979-----	757,899	-----	1984-----	944,770	-----
1980-----	785,212	-----	1985-----	933,477	-----

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	COASTWISE SHIPMENTS
TOTAL-----	933,477	10,016	2	452,755	470,704
0105 RICE-----	982	-----	-----	982	-----
0122 HAY AND FODDER-----	88	-----	-----	88	-----
0131 FRESH FRUITS-----	846	-----	-----	143	703
0141 FRESH AND FROZEN VEGETABLES-----	3,832	-----	-----	3,832	-----
0151 LIVE ANIMALS-----	8,300	-----	-----	1,681	6,619
0161 ANIMALS AND PRODUCTS, NEC-----	11	-----	-----	11	-----
0841 FOREST PRODUCTS, NEC-----	60	-----	-----	60	-----
0912 SHELLFISH, EXCEPT PREPARED-----	35	-----	-----	35	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	21	-----	-----	21	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	276	-----	-----	276	-----
1911 ORNANCE AND ACCESSORIES-----	13	-----	-----	11	2
2011 MEAT, FRESH, CHILLED, FROZEN-----	3,197	-----	-----	3,196	1
2015 ANIMAL BY-PRODUCTS, NEC-----	69	-----	-----	-----	69
2021 DAIRY PRODUCTS, NEC-----	60	-----	-----	45	15
2034 VEGETABLES AND PREP, NEC-----	10,123	-----	-----	4,049	12,034
2039 PREP FRUIT AND VEG JUICE, NEC-----	1,132	-----	-----	67	1,065
2042 ANIMAL FEEDS-----	10,596	-----	-----	10,541	55
2041 SUGAR-----	218,458	-----	-----	5	218,453
2062 MOLASSES-----	50,940	-----	-----	-----	50,940
2081 ALCOHOLIC BEVERAGES-----	5,258	-----	-----	4,254	-----
2091 VEGETABLE OILS, MARG, SHORT-----	171	-----	-----	171	-----
2094 GROCERIES-----	1,833	-----	-----	1,833	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	30,459	-----	-----	10,483	10,566
2211 BASIC TEXTILE PRODUCTS-----	37	-----	-----	37	-----
2411 LOGS-----	50	-----	-----	-----	50
2413 FUEL WOOD, CHARCOAL, WASTES-----	504	-----	-----	264	236
2414 TIMBER, POSTS, POLES, PILING-----	18	-----	-----	19	-----
2421 LUMBER-----	3,549	-----	-----	3,505	44
2431 VENEER, PLYWOOD, WORKED WOOD-----	262	-----	-----	262	-----
2491 WOOD MANUFACTURES, NEC-----	7,732	-----	-----	2,044	5,688
2511 FURNITURE AND FIXTURES-----	3,820	-----	-----	1,353	467
2631 PAPER AND PAPERBOARD-----	741	-----	-----	673	68
2691 PULP AND PAPER PRODUCTS, NEC-----	2,396	-----	-----	2,350	46
2810 SODIUM HYDROXIDE-----	675	-----	-----	675	-----
2818 SULPHURIC ACID-----	37	-----	-----	37	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	2,057	1,490	-----	552	15
2821 PLASTIC MATERIALS-----	96	-----	-----	96	-----
2841 SOAP-----	264	-----	-----	-----	-----
2851 PAINTS-----	72	-----	-----	72	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	7,549	3,729	-----	3,820	-----
2872 POTASSIC CHEM FERTILIZERS-----	4,451	4,451	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	229	-----	-----	229	-----
2879 FERTILIZER AND MATERIALS, NEC-----	9,272	-----	-----	9,266	6
2891 MISCELLANEOUS CHEMICAL PROD-----	111	-----	-----	99	12
2911 GASOLINE-----	35,674	-----	-----	35,674	-----
2912 JET FUEL-----	6,381	-----	-----	6,381	-----
2914 DISTILLATE FUEL OIL-----	2,363	-----	-----	2,363	-----
2915 RESIDUAL FUEL OIL-----	844	-----	-----	844	-----
2916 LUBRICATING OILS AND GREASES-----	473	-----	-----	473	-----
2918 ASPHALT, TAR, AND PITCHES-----	423	-----	-----	423	-----
2921 LIQUEFIED GASES-----	5,221	-----	-----	5,221	-----
2991 PETROLEUM AND COAL PROD, NEC-----	667	-----	-----	667	-----
3011 RUBBER AND MISC PLASTIC PROD-----	2,043	-----	-----	2,067	174
3211 GLASS AND GLASS PRODUCTS-----	107	-----	2	94	11
3241 BUILDING CEMENT-----	17,119	-----	-----	17,115	4
3251 STRUCTURAL CLAY PRODUCTS-----	95	-----	-----	95	-----
3281 CUT STONE AND STONE PRODUCTS-----	31	-----	-----	31	-----
3291 MISC NONMETALLIC MINERAL PROD-----	5,267	-----	-----	5,267	-----
3312 SLAG-----	41	-----	-----	41	-----

PACIFIC OCEAN DIVISION

37

NAHILINILI HARBOR, KAUAI, HAWAII--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
3315 IRON, STEEL SHAPES, EXC SHEET-----	2,331	-----	-----	2,250	81
3316 IRON AND STEEL PLATES, SHEETS-----	356	-----	-----	356	-----
3317 IRON AND STEEL PIPE AND TUBE-----	434	-----	-----	434	-----
3411 FABRICATED METAL PRODUCTS-----	243,702	-----	-----	125,697	118,005
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,262	346	-----	708	120
3611 ELECTRICAL MACH AND EQUIP-----	198	-----	-----	198	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	97,003	-----	-----	71,050	25,953
3721 AIRCRAFT AND PARTS-----	4	-----	-----	4	-----
3731 SHIPS AND BOATS-----	1,911	-----	-----	1,824	87
3791 MISC TRANSPORTATION EQUIPMENT-----	17,820	-----	-----	10,686	7,134
4011 MISC MANUFACTURED PRODUCTS-----	1,188	-----	-----	843	345
4011 IRON AND STEEL SCRAP-----	543	-----	-----	-----	543
4112 COMMODITIES, NEC-----	92,328	-----	-----	81,371	10,957
4119 EMPTY CONTAINERS-----	125	-----	-----	-----	125

Waterborne Commerce of the United States, 1985

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT				
MANA HARBOR, PALI, HAWAII-----	NO COMMERCE REPORTED			
KAILUA HARBOR, CAMU, HAWAII-----	NO COMMERCE REPORTED			
KALAUPAPA HARBOR, MOLOKAI, HAWAII-----	2421 LUMBER-----	74		
	2491 WOOD MANUFACTURES, NEC-----	82		
	2511 FURNITURE AND FIXTURES-----	15		
	3011 RUBBER AND MISC PLASTIC PROD-----	3		
	3315 IRON, STEEL SHAPES, EXC SHEET-----	11		
	3317 IRON AND STEEL PIPE AND TUBE-----	53		
	3411 FABRICATED METAL PRODUCTS-----	103		
	3711 MOTOR VEHICLES, PARTS, ECLIP-----	450		
	3791 MISC TRANSPORTATION EQUIPMENT-----	73		
	4112 COMMODITIES, NEC-----	726		
	TOTAL-----	1,590		
KAUNAKAKAI HARBOR, MOLOKAI, HAWAII-----	0122 RAY AND FODDER-----	2,346		
	0131 FRESH FISHES-----	19,660		
	0151 LIVE ANIMALS-----	5,647		
	1402 SAND, GRAVEL, CRUSHED ROCK-----	500		
	1911 OUTFITTING AND ACCESSORIES-----	2		
	2034 VEGETABLES AND PREP, NEC-----	7,646		
	2042 ANIMAL FEEDS-----	2,630		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	4,690		
	2413 FUEL WOOD, CHARCOAL, WASTES-----	13		
	2414 TIMBER, POSTS, POLES, PILING-----	7		
	2421 LUMBER-----	647		
	2491 WOOD MANUFACTURES, NEC-----	3,647		
	2511 FURNITURE AND FIXTURES-----	756		
	2631 PAPER AND PAPERBOARD-----	4		
	2691 PULP AND PAPER PRODUCTS, NEC-----	56		
	2899 FERTILIZER AND MATERIALS, NEC-----	769		
	2891 MISCELLANEOUS CHEMICAL PROD-----	4		
	2911 GASOLINE-----	2,234		
	2912 JET FUEL-----	733		
	2914 DISTILLATE FUEL OIL-----	4,717		
	2916 ASPHALT, TAR, AND BITUMENS-----	104		
	3011 RUBBER AND MISC PLASTIC PROD-----	406		
	3241 BUILDING CEMENT-----	1,418		
	3291 MISC NONMETALLIC MINERAL PROD-----	69		
	3315 IRON, STEEL SHAPES, EXC SHEET-----	105		
	3317 IRON AND STEEL PIPE AND TUBE-----	115		
	3411 FABRICATED METAL PRODUCTS-----	48,337		
	3711 MOTOR VEHICLES, PARTS, ECLIP-----	22,749		
	3731 SHIPS AND BOATS-----	566		
	3791 MISC TRANSPORTATION EQUIPMENT-----	5,106		
	4011 IRON AND STEEL SHAPES-----	279		
	4112 COMMODITIES, NEC-----	21,664		
	TOTAL-----	154,325		
POINT ALLEN HARBOR, KALAI, HAWAII-----	2062 MCLASSES-----	1,126		
	2914 DISTILLATE FUEL OIL-----	7,333		
	2915 RESIDUAL FUEL OIL-----	4,110		
	4112 COMMODITIES, NEC-----	11		
	TOTAL-----	12,569		
WAKE ISLAND HARBOR, WAKE ISLAND-----	NO COMMERCE REPORTED			
WELLS HARBOR, MIDWAY ISLAND-----	2912 JET FUEL-----	5,346		

WALLA WALLA, WA, DISTRICT

39

COLUMBIA RIVER AND TRIBUTARIES ABOVE McNARY LOCK AND DAM TO KENNERICK, WASH.

SECTION INCLUDED: COLUMBIA RIVER AND TRIBUTARIES, McNARY LOCK AND DAM TO KENNERICK, WASH. CONTROLLING DEPTH: 20 TO 92 FEET. PROJECT DEPTH: 14 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1976-----	4,807,270	1981-----	7,491,927
1977-----	4,506,615	1982-----	6,875,148
1978-----	5,696,445	1983-----	6,810,266
1979-----	6,075,269	1984-----	6,789,785
1980-----	7,238,066	1985-----	5,235,671

* PASSENGERS--5,901.

FREIGHT TRAFFIC 19...

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL				THROUGH	
		INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	UPBOUND	DOWNBOUND
TOTAL-----	5,235,471	803,817	1,078,024	1,040	6,022	577,469	2,769,079
0102 BARLEY AND RYE-----	220,047		25,506				190,541
0103 CORN-----	230		230				
0107 WHEAT-----	2,874,610	2,524	865,992				2,006,094
0111 SOYBEANS-----	743		655				88
0122 HAY AND FODDER-----	18,540	19	11,815				3,106
0129 FIELD CROPS, NEC-----	63,997	192	4,682			9,024	50,099
0141 FRESH AND FROZEN VEGETABLES-----	20,311	97	842				19,372
0161 ANIMAL AND PRODUCTS, NEC-----	6,803		6,803				
2015 ANIMAL BY-PRODUCTS, NEC-----	18,041		15,041				
2024 VEGETABLES AND PREP, NEC-----	8,736						8,736
2042 ANIMAL FEEDS-----	3,302		3,302				
2062 MOLASSES-----	17,984	1,167				16,817	
2091 ALCOHOLIC BEVERAGES-----	7						
2411 LOGS-----	45,665	3,059	5,535				38,071
2413 FUEL WOOD, CHARCOAL, WASTES-----	12,980		1,909				11,071
2414 TIMBER, POSTS, POLES, PILING-----	2,867	1,300					1,567
2416 WOOD CHIPS, STAVES, BUILDINGS-----	310,051		53,097			6,079	255,875
2421 LUMBER-----	325	64	64				189
2491 WOOD MANUFACTURES, NEC-----	132	66					
2611 PULP-----	39,100		39,100				
2631 PAPER AND PAPERBOARD-----	58,607		1,333				57,274
2691 PULP AND PAPER PRODUCTS, NEC-----	12,971						12,965
2819 BASIC CHEMICALS AND PROD, NEC-----	107,502	103,660	154			2,688	
2871 HYDROPHOBIC CHEM FERTILIZERS-----	51,437	7,224	37,256		6,072	935	
2876 INSECTICIDES, DISINFECTANTS-----	2,840	2,840					
2911 GASOLINE-----	500,931	228,744				252,844	440,303
2912 JET FUEL-----	22,971					19,545	34,386
2914 DISTILLATE FUEL OIL-----	717,586	431,158	2,032	1,040		249,144	34,172
2915 RESIDUAL FUEL OIL-----	21,913	15,695				6,218	
2916 LUBRICATING OILS AND GREASES-----	1,512	1,512					
3011 RUBBER AND MISC PLASTIC PROD-----	94	94					
3291 MISC NONMETALLIC MINERAL PROD-----	132	66	66				
3323 LEAD AND ZINC, UNWORKED-----	4,015						4,015
3411 FABRICATED METAL PRODUCTS-----	2,692		2,592			100	
3511 MACHINERY, EXCEPT ELECTRICAL-----	123	50	3			70	
4011 IRON AND STEEL SCRAP-----	249		249				
4119 EMPTY CONTAINERS-----	16,425	3,275	92			12,901	15

TOTAL TON-MILES, 203,369,025.

SNAKE RIVER, GREG., WASH., AND IDAHO

SECTION INCLUDED: MOUTH OF SNAKE RIVER TO JOHNSON BAR LANDING. CONTROLLING DEPTH: 14 FEET FROM MOUTH TO ICE HARBOR LOCK APPROACH CHANNEL; 14 FEET IN ICE HARBOR APPROACH CHANNEL; 14 FEET WITHIN ICE HARBOR POOL; 14 FEET IN LOWER MONUMENTAL APPROACH CHANNEL; 14 FEET WITHIN LOWER MONUMENTAL POOL; 14 FEET IN LITTLE GOOSE APPROACH CHANNEL; 14 FEET WITHIN LITTLE GOOSE POOL; 14 FEET IN LOWER GRANITE APPROACH CHANNEL; 14 FEET WITHIN LOWER GRANITE POOL; ABOUT 3.0 FEET FROM HEAD OF LOWER GRANITE POOL TO JOHNSON BAR LANDING. PROJECT DEPTH: 14 FEET FROM MOUTH TO THE ICE HARBOR APPROACH CHANNEL; 14 FEET IN ICE HARBOR CHANNEL; 14 FEET WITHIN ICE HARBOR POOL; 14 FEET IN LOWER MONUMENTAL APPROACH CHANNEL; 14 FEET WITHIN LOWER MONUMENTAL POOL; 14 FEET IN LITTLE GOOSE APPROACH CHANNEL; 14 FEET IN LITTLE GOOSE CHANNEL; 14 FEET WITHIN LITTLE GOOSE POOL; 14 FEET IN LOWER GRANITE APPROACH CHANNEL; 14 FEET IN LOWER GRANITE CHANNEL; 14 FEET WITHIN LOWER GRANITE POOL; 2 FEET TO JOHNSON BAR LANDING.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1976-----	2,694,606	400	1981-----	5,335,162	1,779
1977-----	2,911,249		1982-----	5,065,320	121
1978-----	3,852,302		1983-----	4,674,144	63
1979-----	4,356,715		1984-----	4,852,015	4,364
1980-----	5,063,613	865	1985-----	3,518,614	2,730

Waterborne Commerce of the United States, 1985

SNAKE RIVER, OREG., WASH., AND IDAHO--CONTINUED

FREIGHT TRAFFIC, 1985

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL				THROUGH	
		INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	UPBOUND	DOWNBOUND
TOTAL-----	3,518,814	588,383	1,996,381	8,754	116,600	14,382	794,354
0102 BARLEY AND RYE-----	198,541	-----	166,707	-----	-----	-----	31,834
0107 WHEAT-----	2,008,618	-----	1,471,856	-----	-----	-----	536,762
0111 SOYBEANS-----	88	-----	88	-----	-----	-----	-----
0122 HAY AND FODDER-----	3,106	-----	3,106	-----	-----	-----	-----
0129 FIELD CROPS, NEC-----	61,499	-----	2,803	-----	-----	6,696	49,000
0141 FRESH AND FROZEN VEGETABLES-----	19,372	-----	19,372	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	116,600	-----	-----	-----	116,600	-----	-----
2034 VEGETABLES AND PREP, NEC-----	8,736	-----	8,736	-----	-----	-----	-----
2062 MOLASSES-----	16,817	16,817	-----	-----	-----	-----	-----
2411 LOGS-----	41,130	-----	41,130	-----	-----	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	11,071	-----	-----	-----	-----	-----	11,071
2414 TIMBER, POSTS, POLES, PILING-----	1,567	-----	-----	-----	-----	-----	1,567
2416 WOOD CHIPS, STAVES, MOLDINGS-----	263,954	8,079	117,597	-----	-----	-----	158,278
2421 LUMBER-----	189	-----	189	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	57,274	-----	31,432	-----	-----	-----	25,842
2691 PULP AND PAPER PRODUCTS, NEC-----	12,971	A	12,963	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	3,842	3,842	-----	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	22,373	21,291	-----	1,082	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	1,021	-----	-----	1,021	-----	-----	-----
2911 GASOLINE-----	318,497	252,884	64,503	1,310	-----	-----	-----
2912 JET FUEL-----	22,971	19,585	3,386	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	305,056	251,218	48,499	5,341	-----	-----	-----
2915 RESIDUAL FUEL OIL-----	6,218	6,218	-----	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	4,015	-----	4,015	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	100	-----	-----	-----	-----	100	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	70	70	-----	-----	-----	-----	-----
4119 EMPTY CONTAINERS-----	13,118	4,373	199	-----	-----	4,544	-----

TOTAL TON-MILES, 284,767,797.

PORTLAND, OR, DISTRICT

41

TOTAL WATERBORNE COMMERCE, COLUMBIA RIVER BASIN, OREG., WASH., AND IDAHO

CALENDAR YEAR 1985

(SHORT TONS)

LOCALITY	FOREIGN		DOMESTIC				TOTAL	PERCENT	THROUGH TRAFFIC
	IMPORTS	EXPORTS	COASTWISE		INTERNAL RECEIPTS AND SHIPMENTS	LOCAL			
			RECEIPTS	SHIPMENTS					
SNAKE RIVER, OREG., WASH., AND IDAHO					2,504,764	125,354	2,710,118	4.80	308,696
COLUMBIA RIVER, WENATCHEE TO KETTLE FALLS, WASH.						5,625	5,625	.01	
COLUMBIA RIVER AND TRIBUTARIES ABOVE McNARY LOCK AND DAM TO KENNERICK, WASH.					1,881,841	7,062	1,888,903	3.40	3,346,568
COLUMBIA RIVER AND TRIBUTARIES ABOVE THE DALLES DAM, WASH., AND OREG., TO McNARY LOCK AND DAM, OREG., AND WASH.					686,951		686,951	1.24	5,178,183
COLUMBIA RIVER BETWEEN VANCOUVER, WASH., AND THE DALLES, OREG.			3,928		1,846,988	742,889	2,593,805	4.67	5,752,746
WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OREG.	35,887								
OREGON SLOUGH (NORTH PORTLAND HARBOR), OREG.					2,181,766	1,308,522	3,526,177	6.35	
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.			36,611	115,557	581,435		733,603	1.32	
MULTNOMAH CHANNEL, OREG.	3,903,752	21,312,885	2,608,320	481,778	9,655,506	2,975,540	40,897,700	73.60	1,705,757
LAKE RIVER, WASH.					1,522,624	25,050	1,547,674	2.70	
LEWIS RIVER, WASH.					19	12,975	12,994	.02	
COLLITZ RIVER, WASH.					97,921		97,921	.18	
CLATSOP RIVER, OREG.					1,953		1,953	.01	
CLATSOP SLOUGH, OREG.					5,521		5,521	.01	
WESTPORT SLOUGH, OREG.									
ELDOMIN SLOUGH, WASH.					60,347		60,347	.11	
SHANAHAN (STEAMBOAT) SLOUGH, WASH.									
SHANAHAN CREEK, WASH.									
GRAYS RIVER, WASH.									
DEEP RIVER, WASH.					152,545		152,545	.24	
YOUNGS BAY AND YOUNGS RIVER, OREG.					167,322	74,766	242,088	.44	
SHIPANEN CHANNEL, OREG.					8,320		8,320	.01	
CHINOOK CHANNEL, WASH.					137,836		137,836	.26	
COLUMBIA RIVER AT HARRIS BAY, WASH.					152,051		152,051	.27	
					60,994		60,994	.11	
TOTAL (UNADJUSTED)	3,939,639	21,312,885	2,644,864	565,655	21,754,426	5,277,772	55,503,245		14,791,950
PERCENT (UNADJUSTED)	7.11	34.40	4.77	1.02	39.20	9.51		100.00	
NET VOLUME OF TONNAGE FOR THE BASIN (ADJUSTED)	3,939,639	21,312,885	2,644,864	565,655	10,936,921	5,277,772	44,681,740		
PERCENT (ADJUSTED)	8.82	47.70	5.93	1.27	24.47	11.81		100.00	

* THROUGH TRAFFIC NOT CREDITED AS SUCH TO TOTAL TONNAGE FOR BASIN, BUT CREDITED TO PROJECTS OR RIVERS WHERE SHIPPED OR RECEIVED.

** ADJUSTED TO NET VOLUME BY EXCLUDING ONE-HALF OF INTERNAL TRAFFIC MOVED BETWEEN THE SEPARATE WATERWAYS OF THE BASIN.

COLUMBIA RIVER ENTRANCE, OREG. AND WASH.

SECTION INCLUDED: COLUMBIA RIVER AT MOUTH, OREG. AND WASH. CONTROLLING DEPTH: 47 FEET LEFT OUTSIDE, 45 FEET LEFT INSIDE, 43 FEET RIGHT INSIDE, AND 40 FEET RIGHT OUTSIDE, AT MEAN LOW WATER. AT CLATSOP SPIT, 44 FEET FOR LEFT QUARTER, 45 FEET CENTER OF CHANNEL, AND 42 FEET RIGHT QUARTER. PROJECT DEPTHS: 40 FEET OVER BAR.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	FOREIGN THROUGH		DOMESTIC THROUGH		TOTAL	YEAR	FOREIGN THROUGH		DOMESTIC THROUGH		TOTAL
	UPBOUND	DOWNBOUND	UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND	UPBOUND	DOWNBOUND	
1976	3,768,565	14,006,097	3,978,802	1,772,094	24,126,038	1981	3,821,723	19,963,821	4,369,793	487,875	24,803,212
1977	4,045,315	12,821,383	4,213,174	1,135,554	21,893,330	1982	3,050,749	18,648,610	3,770,603	497,124	25,977,136
1978	4,525,496	16,510,367	5,122,788	909,654	26,866,509	1983	3,655,050	20,695,740	3,513,974	1,981,579	29,806,358
1979	4,755,280	17,893,840	6,008,252	1,019,081	29,676,213	1984	3,957,792	24,515,241	3,488,755	1,459,300	33,421,048
1980	4,452,224	19,667,507	5,224,056	862,466	30,206,253	1985	2,355,624	8,567,254	4,078,000	2,304,706	17,301,587

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)

SECTION INCLUDED: MOUTH TO INTERNATIONAL BOUNDARY, A DISTANCE OF 745 MILES. CONTROLLING DEPTH: 38 FEET OR BETTER BETWEEN MOUTH OF COLUMBIA RIVER AND MOUTH OF WILLAMETTE RIVER; 34 FEET TO LOWER TURNING BASIN, VANCOUVER, WASH.; OTHER CHANNEL DEPTHS RANGE FROM 15 TO 4 FEET. PROJECT DEPTHS: 55/48 FEET ACROSS ENTRANCE BARS; 40 FEET FROM MOUTH OF COLUMBIA RIVER TO MOUTH OF WILLAMETTE RIVER; 40 FEET FROM MOUTH OF WILLAMETTE RIVER TO VANCOUVER; OTHER PROJECT DEPTHS RANGE FROM 27 TO 7 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1976	33,664,924	8,096,057	41,960,981	42,262	1981	40,905,167	4,870,819	45,865,986	41,647
1977	31,627,507	6,914,260	38,541,767	62,606	1982	37,296,858	4,368,429	41,665,287	40,851
1978	37,972,172	5,852,629	43,724,801	91,601	1983	41,448,005	4,070,207	45,558,302	105,161
1979	41,189,227	5,869,843	47,059,070	117,301	1984	45,329,836	4,051,701	49,381,537	431,679
1980	42,924,434	6,254,550	49,178,984	81,383	1985	39,046,018	3,340,448	42,427,366	100,223

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY
(CONSOLIDATED REPORT)--CONTINUED

FREIGHT TRAFFIC, 1985

OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		THROUGH		RECEIPTS	DOMESTIC COASTWISE		THROUGH
		IMPORTS	EXPORTS	UPBOUND	DOWNBOUND		SHIPMENTS	UPBOUND	DOWNBOUND
TOTAL.....	28,467,047	1,504,015	12,745,627	2,355,624	8,967,258	106,496	155,592	2,542,772	410,063
0101 COTTON, RAW.....	258				258				
0102 BARLEY AND RYE.....	350,446		40		350,386				
0103 CORN.....	4,504,822		4,403,166		101,656				
0105 RICE.....	128				128				
0106 SORGHUM GRAINS.....	303,433		183,515		209,918				
0107 WHEAT.....	8,327,245		2,956,444		5,370,801				
0111 SOYBEANS.....	67,890		42		67,848				
0119 OILSEEDS, NEC.....	1,220		20		1,174				
0120 FIELD CROPS, NEC.....	25,913	31	266		25,052				
0131 FRESH FRUITS.....	3,429		210		1,627			1,006	586
0132 BANANAS AND PLANTAINS.....	12				12				
0133 COFFEE.....	938	513			416			7	
0141 FRESH AND FROZEN VEGETABLES.....	111,234	20	7,980		93,180			14	9,422
0151 LIVE ANIMALS.....	711				711				
0161 ANIMALS AND PRODUCTS, NEC.....	3,790	400			3,092				
0191 MISCELLANEOUS FARM PRODUCTS.....	312				268			43	
0841 CRUDE RUBBER AND ALLIED GUMS.....	1,961	19		1,942					
0841 FOREST PRODUCTS, NEC.....	986	133		206	174			57	416
0911 FRESH FISH, EXCEPT SHELLFISH.....	4,323	65		575	3,683				
0912 SHELLFISH, EXCEPT PREPARED.....	231			151	13				67
0931 MARINE SHELLS, UNMANUFACTURED.....	573			41	532				
1011 IRON ORE AND CONCENTRATES.....	12,034				2,030				
1051 ALUMINUM ORES, CONCENTRATES.....	1,324,948	1,139,034		185,884	37				
1091 NONFERROUS ORES, CONCENT., NEC.....	19,499	9,856		3,308	6,335				
1121 COAL AND LIGNITE.....	61				61				
1311 CRUDE PETROLEUM.....	261,027			19,530				241,498	
1411 LIMESTONE.....	59,065			59,004					
1412 BUILDING STONE, UNWORKED.....	19			19					
1442 SAND, GRAVEL, CRUSHED ROCK.....	264,445			264,442	43				
1451 CLAY.....	147,814		6,861	286	160,691				
1471 PHOSPHATE ROCK.....	40				40				
1491 SALT.....	446,795	194,664		252,131					
1499 NONMETALLIC MINERALS, NEC.....	24,417			748	19,370				4,279
1911 CRANES AND ACCESSORIES.....	15			8	7				
2011 MEAT, FRESH, CHILLED, FROZEN.....	6,401			40	6,063			4	294
2012 MEAT AND PRODUCTS, NEC.....	81				81				
2014 TALLOW, ANIMAL FATS AND OILS.....	6,201		506		5,655				
2015 ANIMAL BY-PRODUCTS, NEC.....	17,771		22		37,749				
2021 DAIRY PRODUCTS, NEC.....	541			327	192				22
2022 DRIED MILK AND CREAM.....	210				210				
2031 FISH AND SHELLFISH, PREPARED.....	4,414	108		3,185	1,121				
2034 VEGETABLES AND PREP, NEC.....	18,946	95	10	5,752	11,462			605	924
2039 PREP FRUIT AND VEG JUICE, NEC.....	22,532	193	5	5,367	7,247			4,672	38
2041 WHEAT FLOUR AND SEMOLINA.....	600		600						
2042 ANIMAL FEEDS.....	220,739	3,031	123,429	910	82,851				10,103
2049 GRAIN MILL PRODUCTS, NEC.....	15,502	14	6,171	211	9,156				
2062 MOLASSES.....	28,872			5,751				23,121	
2061 ALCOHOLIC BEVERAGES.....	11,865	55		7,104	127				4,577
2091 VEGETABLE OILS, MARG, SHORT.....	14,536			104,172	364				
2094 GROCERIES.....	151							1	150
2095 ICE.....	37			37					
2099 MISCELLANEOUS FOOD PRODUCTS.....	18,162	95	15	1,221	35,030			194	1,407
2111 TOBACCO MANUFACTURES.....	8				8				
2211 BASIC TEXTILE PRODUCTS.....	3,849	121	92	3,316	343				17
2311 APPAREL.....	1,092	41	4	921	36				
2411 LOGS.....	3,638,540		3,157,544		480,881				551
2413 FUEL WOOD, CHARCOAL, BASTES.....	1,369								1,368
2414 TIMBER, POSTS, POLES, PILING.....	3,531			1,362	7,169				
2416 WOOD CHIPS, STAVES, HOLDINGS.....	651,609		189,768		433,435	8,400			
2421 LUMBER.....	651,631	26,986	150,623	1,287	293,817	94,593	42	78,681	
2431 VENEER, PLYWOOD, WORKED WOOD.....	93,358	30,403	14,961	1,669	20,412	5,826		19,447	
2491 WOOD MANUFACTURES, NEC.....	39,708	3,905	1,310	809	24,539				9,145
2511 FURNITURE AND FIXTURES.....	6,118	49	39	4,889	165			325	651
2611 PULP.....	75,838		30,815		65,023				
2621 STANDARD NEWSPRINT PAPER.....	204,424	20	182,434		20,370				1,591
2631 PAPER AND PAPERBOARD.....	357,716	7,100	148,515	4,955	192,866				4,680
2691 PULP AND PAPER PRODUCTS, NEC.....	20,954	3,037		870	934				16,513
2711 PRINTED MATTER.....	1,188		1	1,137	50				
2810 SODIUM HYDROXIDE.....	139,826						44,146	12,714	82,962
2811 CRUDE TAR, OIL, GAS PRODUCTS.....	15,489			3,423	4			12,062	
2812 DYES, PIGMENT, TANNING MATS.....	625				6				419
2813 ALCOHOLS.....	74,342				63,288			259	
2817 BENZENE AND TOLUENE.....	42,131	24,850		17,209	72				
2819 BASIC CHEMICALS AND PROD, NEC.....	1,147,785	12,449	894,375	19,212	93,473			148,234	20,042
2821 PLASTIC MATERIALS.....	7,005	25	19	1,739	4,317				905
2822 SYNTHETIC RUBBER.....	66				66				
2823 SYNTHETIC (MAN-MADE) FIBERS.....	114			106	8				
2831 DRUGS.....	251		6	137	108				
2841 SOAP.....	5,151		41	104	5,006				
2851 PAINTS.....	632	8	20	400	114				
2861 GUM AND WOOD CHEMICALS.....	53				53				
2871 NITROGENOUS CHEM FERTILIZERS.....	187,358	22,353		5,006			2,000	148,926	9,179
2872 POTASSIC CHEM FERTILIZERS.....	20				20				
2876 INSECTICIDES, DISINFECTANTS.....	500			67	359				94
2879 FERTILIZER AND MATERIALS, NEC.....	80		20	37	23				
2891 MISCELLANEOUS CHEMICAL PROD.....	22,141	20	17	877				8,211	12,945
2911 GASOLINE.....	545,072			129,134				415,938	
2912 JET FUEL.....	54,807							54,807	
2913 KEROSENE.....	8				8				

PORTLAND, OR, DISTRICT

43

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY
(CONSOLIDATED REPORT)--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

OCEANGOING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		THROUGH		RECEIPTS	DOMESTIC COASTWISE		THROUGH
		IMPORTS	EXPORTS	UPBOUND	DOWNBOUND		SHIPMENTS	UPBOUND	DOWNBOUND
2914 DISTILLATE FUEL OIL-----	637,640			36,495				539,640	61,105
2915 RESIDUAL FUEL OIL-----	638,986			5,304		80,422		536,806	16,358
2916 LUBRICATING OILS AND GREASES--	168,187			11,708	327			154,753	1,419
2917 NAPHTHA, PETROLEUM SOLVENTS--	3,486							3,486	
2918 ASPHALT, TAR, AND BITUMENS--	263,220	7,163		92,139				175,166	8,772
2920 COKE, PETROLEUM COKE-----	227,442		227,442						
2921 LIQUEFIED GASES-----	11				11				
2991 PETROLEUM AND COAL PROD, NEC--	69,703				90	6,815	0,027	53,771	
3011 RUBBER AND MISC PLASTIC PROD--	15,752	557	43	34,086	285			24	757
3111 LEATHER AND LEATHER PRODUCTS--	4,854	82	10	3,819	943				
3211 GLASS AND GLASS PRODUCTS-----	1,615	14		1,488	82				31
3241 BUILDING CEMENT-----	61,821	12,676		68,698					647
3251 STRUCTURAL CLAY PRODUCTS-----	4,353		4	4,050	299				
3291 CUT STONE AND STONE PRODUCTS--	280	113		162	5				
3291 MISC NONMETALLIC MINERAL PROD--	7,635	123	66	1,266	1,465				4,715
3312 SLAG-----	2,968								2,968
3314 IRON AND STEEL PRIMARY FORMS--	13,470			13,470					
3315 IRON, STEEL SHAPES, EXC SHEETS--	201,340	24,378		173,910	250				422
3316 IRON AND STEEL PLATES, SHEETS--	23,305	3,322		18,518	744				719
3317 IRON AND STEEL PIPE AND TUBE--	152,207	26,101	11	124,445	2				1,248
3318 FERRALLLOYS-----	17,943	73	17	13,214	4,635				
3319 IRON AND STEEL PRODUCTS, NEC--	21,174	174		20,996	4				
3321 NONFERROUS METALS, NEC-----	2,524	492		589	402				1,045
3322 COPPER ALLOYS, UNWORKED-----	10,896		10,031	733	132				
3323 LEAD AND ZINC, UNWORKED-----	2,749	428		1,921					
3324 ALUMINUM AND ALLOYS, UNWORKED--	60,670	1,973	36,837	3,650	18,210				
3411 FABRICATED METAL PRODUCTS-----	42,172	3,397	548	71,116	2,548			15	4,548
3511 MACHINERY, EXCEPT ELECTRICAL--	45,849	459	3,231	36,000	4,347			110	702
3611 ELECTRICAL MACH AND EQUIP-----	16,720	379	564	11,307	2,639				1,827
3711 MOTOR VEHICLES, PARTS, EQUIP--	437,563	19,176	372	412,988	2,772			1,148	1,075
3731 SHIPS AND BOATS-----	615	88		488	6			3	30
3791 MISC TRANSPORTATION EQUIPMENT--	351		4	157	190				
3811 INSTR, TIME, PHOTO, OPT GOODS--	1,167	54	1	1,025	47				
3911 MISC MANUFACTURED PRODUCTS-----	4,444	284	29	3,225	609			55	247
4011 IRON AND STEEL SCRAP-----	178,577		26		178,075			476	
4012 NONFERROUS METAL SCRAP-----	28,414		188		28,226				
4022 TEXTILE WASTE, SCRAP, WHEEP--	140		2	40	98				
4024 PAPER WASTE AND SCRAP-----	51,764		296		51,468				
4112 COMMODITIES, NEC-----	13,438	109	550	708	3,763			216	8,092
4119 EMPTY CONTAINERS-----	154							110	48
9999 DEPARTMENT OF DEFENSE AND SCI--	157				157				

TON-MILES, OCEANGOING, 2,649,816,257.

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH	
						UPBOUND	DOWNBOUND
TOTAL-----	13,960,319	3,655,324	2,490,901	1,432,249	2,955,545	1,531,637	1,894,643
3102 HARLEY AND RYE-----	277,297	49,040	52,478		26,242		149,452
3103 CORN-----	40,991		40,730		40,730		
3107 WHEAT-----	3,341,120	485,926	676,443	6,657	640,928	6,419	1,134,245
3111 SOYBEANS-----	743		557		64		44
3122 RAY AND PODDER-----	40,060	47	38,907				3,106
3129 FIELD CROPS, NEC-----	67,373	3,284	4,174		720	11,484	47,699
0141 FRESH AND FROZEN VEGETABLES--	21,403	5,002	2,024				14,467
0141 ANIMALS AND PRODUCTS, NEC-----	6,803		6,803				
2011 FRESH FISH, EXCEPT SHELLFISH--	17,396	12,517				4,879	
2012 SHELLFISH, EXCEPT PREPARED--	4,620	1,657			400	2,363	
1011 IRON ORE AND CONCENTRATES-----	10,000	10,000					
1411 LIMESTONE-----	231,500		23,500				
1442 SAND, GRAVEL, CRUSHED ROCK-----	1,035,870	14,744	3,868	1,746	18,740	404,411	147,977
1451 CLAY-----	6,616	6,116		200	300		
1499 NONMETALLIC MINERALS, NEC-----	2,563	150		1,425	988		
2015 ANIMAL BY-PRODUCTS, NEC-----	16,041		16,041				
2034 VEGETABLES AND PREP, NEC-----	8,736	393					4,343
2042 ANIMAL FEEDS-----	3,302		3,302				
2049 GRAIN MILL PRODUCTS, NEC-----	5,513	4,004	545				
2062 MOLASSES-----	37,375	1,167				16,417	19,391
2081 ALCOHOLIC BEVERAGES-----	7	7					
2411 LOGS-----	66,902	40,342	6,713	7,400	9,946		2,463
2412 RAFTED LOGS-----	3,380,448	493,368	445,115	1,265,035	1,042,493	119,266	5,171
2413 FUEL WOOD, CHARCOAL, WASTE--	86,789	18,572			68,217		
2414 TIMBER, POSTS, POLES, PILING--	3,072			1,400	160		1,572
2416 WOOD CHIPS, STAVES, HOLDINGS--	1,709,086	615,759	5,943	40,452	1,044,447	469	1,056
2421 LUMBER-----	27,596	400	874	1,243	1,276	23,424	189
2431 VENEER, PLYWOOD, WORKED WOOD--	4,142		4,142				
2491 WOOD MANUFACTURES, NEC-----	3,820	483	747	1,179	1,341		
2611 PULP-----	434,824	341,310	91,205				
2631 PAPER AND PAPERBOARD-----	64,727	24,344	1,333		5,421		33,624
2691 PULP AND PAPER PRODUCTS, NEC--	879,434	49,274	788,185	20,040	5,676	4	12,742
2819 BASIC CHEMICALS AND PROD, NEC--	107,502	103,660	3,842				
2871 NITROGENOUS CHEM FERTILIZERS--	58,287	1,044	26,455	17,430	17,758		
2876 INSECTICIDES, DISINFECTANTS--	2,840	2,840					
2891 MISCELLANEOUS CHEMICAL PROD--	2,467			2,467			

Waterborne Commerce of the United States, 1985

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY
(CONSOLIDATED REPORT)--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

INTERNAL--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH	
						UPBOUND	DOWNBOUND
2011 GASOLINE-----	568,857	230,147	23,057	-----	14,447	240,441	60,365
2012 JET FUEL-----	22,971	-----	-----	-----	-----	19,545	3,326
2014 DISTILLATE FUEL OIL-----	749,569	460,449	10,014	1,040	1,947	241,047	34,172
2015 RESIDUAL FUEL OIL-----	376,157	282,948	1,745	45,220	1,745	23,472	20,547
2016 LUBRICATING OILS AND GREASES-----	2,032	2,032	-----	-----	-----	-----	-----
2018 ASPHALT, TAR, AND BITUMENS-----	650	650	-----	-----	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	94	94	-----	-----	-----	-----	-----
3201 MISC NONMETALLIC MINERAL PROD-----	3,702	482	747	1,178	1,295	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	650	-----	450	200	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	200	-----	-----	200	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	4,015	-----	-----	-----	-----	-----	4,015
3411 FARRICATED METAL PRODUCTS-----	13,959	75	1,502	9,392	2,800	100	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,050	170	254	746	245	615	20
4011 IRON AND STEEL SCRAP-----	249	-----	249	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	17,745	11,150	3,060	7,350	4,645	-----	150,500
4119 EMPTY CONTAINERS-----	20,534	6,562	107	-----	-----	13,813	52

TON-MILES, INTERNAL, 1,542,610,365.

TONS, ALL TRAFFIC, 42,427,366.

TON-MILES, ALL TRAFFIC, 4,228,426,622.

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW
VANCOUVER, WASH., AND PORTLAND, OREG.

SECTION INCLUDED: COLUMBIA RIVER FROM MOUTH TO THE MOUTH OF WILLAMETTE RIVER; WILLAMETTE RIVER FROM MOUTH TO BROADWAY BRIDGE AT PORTLAND, OREG., A DISTANCE OF 113 MILES; COLUMBIA RIVER FROM MOUTH OF WILLAMETTE RIVER TO INTERSTATE BRIDGE, VANCOUVER, WASH., A DISTANCE OF 5 MILES. CONTROLLING DEPTH: MOUTH OF COLUMBIA RIVER TO MOUTH OF WILLAMETTE AND UP THE WILLAMETTE TO BROADWAY BRIDGE IN PORTLAND, 38 FEET; IN THE REACH OF COLUMBIA RIVER FROM THE MOUTH OF WILLAMETTE RIVER TO THE LOWER TURNING BASIN AT VANCOUVER, WASH., 38 FEET. PROJECT DEPTH: 40 FEET IN MAIN CHANNEL FROM MOUTH OF COLUMBIA RIVER TO BROADWAY BRIDGE AT PORTLAND, OREG.; 40 FEET IN COLUMBIA RIVER FROM MOUTH OF WILLAMETTE RIVER TO RAILROAD BRIDGE, VANCOUVER, WASH.; 35 FEET FROM RAILROAD BRIDGE TO INTERSTATE BRIDGE, VANCOUVER, WASH.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1976-----	35,243,139	7,351,983	42,395,122	24,648	1981-----	41,779,923	4,136,724	45,916,647	41,246
1977-----	33,426,301	6,063,007	39,489,308	36,810	1982-----	37,515,291	3,908,164	41,423,455	24,392
1978-----	30,062,712	5,091,549	35,054,261	45,878	1983-----	42,037,361	3,540,210	45,577,571	35,174
1979-----	42,124,171	5,264,395	47,388,566	89,075	1984-----	45,901,362	3,449,124	49,350,486	43,056
1980-----	43,251,649	5,694,464	48,946,113	40,531	1985-----	39,514,176	3,047,340	42,561,516	174,468

FREIGHT TRAFFIC, 1985

OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		THROUGH UPBOUND	RECEIPTS	DOMESTIC COASTWISE	
		IMPORTS	EXPORTS			SHIPMENTS	THROUGH DOWNBOUND
TOTAL-----	28,467,047	3,903,752	21,312,885	35,847	2,604,329	441,774	40,539
1101 COTTON, RAW-----	254	-----	254	-----	-----	-----	-----
1102 BARLEY AND RYE-----	350,446	-----	350,446	-----	-----	-----	-----
1103 CORN-----	4,504,822	-----	4,504,822	-----	-----	-----	-----
1105 RICE-----	124	-----	124	-----	-----	-----	-----
1106 SOYBEAN GRAINS-----	393,433	-----	393,433	-----	-----	-----	-----
1107 WHEAT-----	8,327,245	-----	8,327,245	-----	-----	-----	-----
1111 SOYBEANS-----	67,498	-----	67,498	-----	-----	-----	-----
1119 OILSEEDS, NEC-----	1,224	30	1,194	-----	-----	-----	-----
1129 FIELD CROPS, NEC-----	25,013	595	25,318	-----	-----	-----	-----
1131 FRESH FRUITS-----	3,429	-----	1,837	-----	-----	1,706	546
1132 BANANAS AND PLANTAINS-----	12	12	-----	-----	-----	-----	-----
1133 COFFEE-----	938	929	2	-----	-----	-----	7
1141 FRESH AND FROZEN VEGETABLES-----	111,234	134	101,100	-----	-----	-----	14
1151 LIVE ANIMALS-----	711	-----	711	-----	-----	-----	9,922
1161 ANIMALS AND PRODUCTS, NEC-----	3,740	744	3,042	-----	-----	-----	-----
1191 MISCELLANEOUS FARM PRODUCTS-----	312	249	43	-----	-----	-----	-----
2001 CRUDE RUBBER AND ALLIED GUMS-----	1,961	1,961	-----	-----	-----	-----	-----
2001 FOREST PRODUCTS, NEC-----	984	339	174	-----	-----	-----	57
0911 FRESH FISH, EXCEPT SHELLFISH-----	4,123	640	3,643	-----	-----	-----	416
0912 SHELLFISH, EXCEPT PREPARED-----	231	151	13	-----	-----	-----	67
0931 MARINE SHELLS, UNMANUFACTURED-----	573	41	532	-----	-----	-----	-----
1011 IRON ORE AND CONCENTRATES-----	12,034	-----	12,034	-----	-----	-----	-----
1031 ALUMINUM ORES, CONCENTRATES-----	1,324,444	1,324,414	30	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	19,499	13,164	6,335	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	61	-----	61	-----	-----	-----	-----
1311 CRUDE PETROLEUM-----	261,027	18,539	-----	-----	241,488	-----	-----
1411 LIMESTONE-----	59,005	40,703	-----	18,302	-----	-----	-----
1412 BUILDING STONE, UNWORKED-----	19	-----	19	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	244,485	244,457	43	17,585	-----	-----	-----
1451 CLAY-----	167,814	246	167,512	-----	-----	-----	-----

PORTLAND, OR, DISTRICT

45

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW
VANCOUVER, WASH., AND PORTLAND, OREG.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

OCEANGOING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		THROUGH UPBOUND	RECEIPTS	DOMESTIC COASTWISE		THROUGH DOWNBOUND
		IMPORTS	EXPORTS			SHIPMENTS	UPBOUND	
1071 PHOSPHATE ROCK-----	40		40					
1091 SALT-----	446,795	446,795						
1099 NONMETALLIC MINERALS, NEC-----	24,417	768	14,379					4,270
1911 ORDNANCE AND ACCESSORIES-----	15	8	7					
2011 MEAT, FRESH, CILLED, FROZEN-----	6,401	40	6,063				4	294
2012 MEAT AND PRODUCTS, NEC-----	81		81					
2014 TALLOW, ANIMAL FATS AND OILS-----	6,201		6,201					
2015 ANIMAL BY-PRODUCTS, NEC-----	37,771		37,771					
2021 DAIRY PRODUCTS, NEC-----	541	327	192					22
2022 DRIED MILK AND CREAM-----	210		210					
2031 FISH AND SHELLFISH, PREPARED-----	4,414	3,293	1,121					
2034 VEGETABLES AND PREP, NEC-----	18,946	5,847	11,566				405	928
2036 PREP FRUIT AND VEG JUICE, NEC-----	22,522	6,560	7,252				8,672	38
2041 WHEAT FLOUR AND SEMOLINA-----	600		600					
2042 ANIMAL FEEDS-----	220,039	3,441	206,255					10,343
2049 GRAIN MILL PRODUCTS, NEC-----	15,502	225	15,277					
2062 MOLASSES-----	28,472	5,751					23,121	
2081 ALCOHOLIC BEVERAGES-----	11,465	7,161	127					4,577
2091 VEGETABLE OILS, MARG, SHORT-----	104,536	104,172	364					
2094 GROCERIES-----	151						1	150
2095 ICE-----	37	37						
2099 MISCELLANEOUS FOOD PRODUCTS-----	38,162	1,316	35,045				194	1,607
2111 TOBACCO MANUFACTURES-----	8		8					
2211 BASIC TEXTILE PRODUCTS-----	3,489	3,437	435					17
2311 APPAREL-----	1,002	962	40					
2411 LOGS-----	3,638,540		3,637,940			479		72
2413 FUEL WOOD, CHARCOAL, WASTES-----	1,368							1,368
2414 FIBER, POSTS, PILES, PILING-----	3,531		3,531					
2416 WOOD CHIPS, STAVES, MULCHINGS-----	631,609	6	623,203			8,400		
2421 LUMBER-----	651,631	30,273	488,040			155,046	42	18,197
2431 VENEER, PLYWOOD, WORKED WOOD-----	93,358	32,272	35,373			22,382		3,331
2491 WOOD MANUFACTURES, NEC-----	39,708	4,714	25,849			5,814		3,314
2511 FURNITURE AND FIXTURES-----	4,118	4,938	204			74	325	573
2611 PULP-----	95,834		95,834					
2621 STANDARD NEWSPRINT PAPER-----	204,424	20	202,413					1,591
2631 PAPER AND PAPERBOARD-----	357,714	12,055	340,981					4,680
2691 PULP AND PAPER PRODUCTS, NEC-----	20,954	3,507	934			26		16,487
2711 PRINTED MATTER-----	1,148	1,137	51					
2810 SODIUM HYDROXIDE-----	139,826				12,714	127,108		
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	15,480	3,423	4		12,062			
2812 DYES, PIGMENTS, TANNING MATS-----	625		6			310		100
2813 ALCOHOLS-----	74,342	63,244			6,031		4,167	
2817 BENZENE AND TOLUENE-----	42,131	42,059	72					
2819 BASIC CHEMICALS AND PROD, NEC-----	1,187,785	31,651	987,848		148,000	18,176	135	1,866
2821 PLASTIC MATERIALS-----	7,095	1,784	4,336					925
2822 SYNTHETIC RUBBER-----	66		66					
2823 SYNTHETIC (MAN-MADE) FIBERS-----	114	106	8					
2831 DRUGS-----	251	137	114					
2841 SOAP-----	5,151	104	5,047					
2851 PAINTS-----	632	498	134					
2861 GUM AND WOOD CHEMICALS-----	53		53					
2871 NITROGENOUS CHEM FERTILIZERS-----	187,358	27,353	20		48,426	2,000		9,179
2872 POTASSIC CHEM FERTILIZERS-----	20		20					
2876 INSECTICIDES, DISINFECTANTS-----	670	67	339					94
2879 FERTILIZER AND MATERIALS, NEC-----	80	37	43					
2891 MISCELLANEOUS CHEMICAL PROD-----	22,141	71	894		8,231	12,945		
2911 GASOLINE-----	545,072	129,124			415,948			
2912 JET FUEL-----	54,807				54,807			
2913 KEROSENE-----	8		8					
2914 DISTILLATE FUEL OIL-----	637,640	36,895			599,647	61,105		
2915 DIESEL FUEL OIL-----	638,986	5,404			617,228	16,358		
2916 LUBRICATING OILS AND GREASES-----	188,187	11,708	327		154,733	1,419		
2917 NAPHTHA, PETROLEUM SOLVENTS-----	3,486				3,486			
2918 ASPHALT, TAR, AND BITUMENS-----	283,220	99,302			175,106	405		8,367
2920 COKE, PETROLEUM COKE-----	227,442		227,442					
2921 LIQUEFIED GASES-----	11		11					
2991 PETROLEUM AND COAL PROD, NEC-----	69,703		90		60,584	9,027		
3011 RUBBER AND MISC PLASTIC PROD-----	35,752	34,643	324			499	24	258
3111 LEATHER AND LEATHER PRODUCTS-----	4,854	3,901	953					
3211 GLASS AND GLASS PRODUCTS-----	1,615	1,502	82					31
3241 BUILDING CEMENT-----	81,821	81,374						447
3251 STRUCTURAL CLAY PRODUCTS-----	4,353	4,050	303					
3261 CUT STONE AND STONE PRODUCTS-----	780	275	5					
3291 MISC NONMETALLIC MINERAL PROD-----	7,635	1,389	1,531			2,762		1,953
3312 SLAG-----	2,968							2,968
3314 IRON AND STEEL PRIMARY FORMS-----	13,470	13,470						
3315 IRON, STEEL SHAPES, EXC SHEET-----	201,360	200,288	250			818		8
3316 IRON AND STEEL PLATES, SHEETS-----	23,305	21,800	746					719
3317 IRON AND STEEL PIPE AND TUBE-----	152,207	150,946	13					1,248
3318 FERROALLOYS-----	17,943	13,291	4,652					
3319 IRON AND STEEL PRODUCTS, NEC-----	21,174	21,170	4					
3321 NONFERROUS METALS, NEC-----	2,528	1,041	402			948		56
3322 COPPER ALLOYS, UNWORKED-----	10,496	733	10,163					
3323 LEAD AND ZINC, UNWORKED-----	2,749	2,749						
3324 ALUMINUM AND ALLOYS, UNWORKED-----	60,670	5,623	55,047					
3411 FABRICATED METAL PRODUCTS-----	82,172	74,513	3,046			907	15	3,551
3511 MACHINERY, EXCEPT ELECTRICAL-----	45,849	37,459	7,578			382	110	320
3611 ELECTRICAL MACH AND EQUIP-----	16,720	11,686	3,207					1,827
3711 MOTOR VEHICLES, PARTS, EQUIP-----	437,563	432,184	3,144			282	1,180	833
3731 SHIPS AND BOATS-----	615	576	6				3	30
3791 MISC TRANSPORTATION EQUIPMENT-----	151	157	194					

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW
VANCOUVER, WASH., AND PORTLAND, OREG.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

OCEANGOING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		THROUGH UPBOUND	RECEIPTS	DOMESTIC COASTWISE		THROUGH DOWNBOUND
		IMPORTS	EXPORTS			SHIPMENTS	UPBOUND	
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1,167	1,079	88	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	4,484	3,509	633	-----	-----	-----	55	287
4011 IRON AND STEEL SCRAP-----	178,577	-----	178,101	-----	-----	-----	476	-----
4012 NONFERROUS METAL SCRAP-----	28,414	-----	28,414	-----	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SHEEP-----	140	40	100	-----	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	51,764	-----	51,764	-----	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	13,438	817	4,313	-----	-----	2,358	216	5,734
4119 EMPTY CONTAINERS-----	158	-----	-----	-----	-----	-----	110	48
9999 DEPARTMENT OF DEFENSE AND SCI-----	157	-----	157	-----	-----	-----	-----	-----

TON-MILES, OCEANGOING, 2,645,812,329.

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH	
						UPBOUND	DOWNBOUND
TOTAL-----	14,136,509	7,629,495	2,026,011	1,809,373	1,166,176	934,158	571,296
3102 BARLEY AND RYE-----	277,297	277,297	-----	-----	-----	-----	-----
3103 CORN-----	40,991	40,761	-----	-----	-----	-----	230
3107 WHEAT-----	3,385,100	3,324,564	-----	40,878	6,442	-----	216
3111 SOYBEANS-----	743	94	-----	-----	-----	-----	445
3122 HAY AND FODDER-----	40,060	219	-----	-----	-----	47	39,794
3129 FIELD CROPS, NEC-----	65,717	3,456	2,742	-----	-----	9,432	50,077
3141 FRESH AND FROZEN VEGETABLES-----	21,493	6,348	-----	-----	-----	97	15,048
3161 ANIMALS AND PRODUCTS, NEC-----	6,803	-----	-----	-----	-----	-----	6,803
3911 FRESH FISH, EXCEPT SHELLFISH-----	17,326	10,472	-----	-----	-----	6,724	-----
3912 SHELLFISH, EXCEPT PREPARED-----	4,020	1,657	-----	-----	-----	2,363	-----
3111 IRON ORE AND CONCENTRATES-----	10,000	-----	-----	-----	10,000	-----	-----
3411 LIMESTONE-----	241,500	-----	40,000	141,500	-----	-----	-----
3442 SAND, GRAVEL, CRUSHED ROCK-----	1,485,470	527,641	8,000	406	16,954	741,344	190,645
3451 CLAY-----	12,248	-----	11,194	750	300	-----	-----
3499 NONMETALLIC MINERALS, NEC-----	2,563	150	-----	1,525	888	-----	-----
3615 ANIMAL BY-PRODUCTS, NEC-----	16,041	-----	-----	-----	-----	-----	16,041
3634 VEGETABLES AND PREP, NEC-----	9,736	6,951	-----	-----	-----	-----	1,745
3642 ANIMAL FEEDS-----	3,302	-----	-----	-----	-----	-----	3,302
3649 GRAIN MILL PRODUCTS, NEC-----	15,740	-----	15,175	-----	-----	-----	565
3662 MOLASSES-----	37,375	19,391	5,544	-----	-----	12,440	-----
3681 ALCOHOLIC BEVERAGES-----	7	-----	-----	-----	-----	-----	-----
3611 LOGS-----	35,534	17,344	5,550	5,200	6,925	475	-----
3612 RAFTED LOGS-----	3,087,380	836,978	347,720	936,956	845,486	79,278	40,462
3613 FUEL WOOD, CHARCOAL, WASTES-----	62,807	60,743	-----	-----	105	1,959	-----
3614 TIMBER, POSTS, POLES, PILING-----	1,677	1,572	-----	105	-----	-----	-----
3616 WOOD CHIPS, STAVES, MOLDINGS-----	1,457,553	1,352,272	30,182	12,437	7,844	54,418	-----
3621 LUMBER-----	25,468	24,107	395	169	100	261	436
3631 VENEER, PLYWOOD, WORKED WOOD-----	4,142	-----	-----	4,142	-----	-----	-----
3691 WOOD MANUFACTURES, NEC-----	2,275	723	440	182	100	257	573
3611 PULP-----	477,485	370,396	106,840	-----	-----	222	27
3631 PAPER AND PAPERBOARD-----	63,505	25,400	-----	-----	4,740	-----	32,925
3691 PULP AND PAPER PRODUCTS, NEC-----	1,010,077	592,628	53,480	324,209	20,353	374	15,033
3819 BASIC CHEMICALS AND PROD, NEC-----	103,660	-----	103,660	-----	-----	-----	-----
3871 NITROGENOUS CHEM FERTILIZERS-----	29,215	14,504	7,861	6,450	-----	-----	-----
3876 INSECTICIDES, DISINFECTANTS-----	2,840	-----	-----	-----	-----	2,440	-----
3891 MISCELLANEOUS CHEMICAL PROD-----	2,497	-----	2,497	-----	-----	-----	-----
3911 GASOLINE-----	589,244	62,965	482,628	31,091	12,560	-----	-----
3912 JET FUEL-----	22,971	3,386	19,585	-----	-----	-----	-----
3914 DISTILLATE FUEL OIL-----	775,017	36,172	666,015	40,363	30,477	-----	-----
3915 RESIDUAL FUEL OIL-----	460,640	-----	66,719	194,394	199,527	-----	-----
3916 LUBRICATING OILS AND GREASES-----	2,224	-----	1,512	443	259	-----	-----
3917 NAPHTHA, PETROLEUM SOLVENTS-----	8,907	-----	-----	8,907	-----	-----	-----
3918 ASPHALT, TAR, AND PITCHES-----	650	650	-----	-----	-----	-----	-----
3911 RUBBER AND MISC PLASTIC PROD-----	94	-----	-----	-----	-----	94	-----
3991 MISC NONMETALLIC MINERAL PROD-----	2,075	606	390	149	100	257	573
3315 IRON, STEEL SHAPES, EXC SHEET-----	725	450	100	175	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	4,015	-----	-----	-----	-----	-----	4,015
3411 FABRICATED METAL PRODUCTS-----	14,066	3,167	50	9,499	1,000	100	250
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,601	605	420	233	95	145	103
4011 IRON AND STEEL SCRAP-----	249	-----	-----	-----	-----	-----	249
4029 WASTE AND SCRAP, NEC-----	174,545	3,100	6,550	11,010	1,445	1,700	150,500
4119 EMPTY CONTAINERS-----	20,369	42	948	-----	-----	19,280	99

TON-MILES, INTERNAL, 289,530,371.

TONS, ALL TRAFFIC, 42,603,556.

TON-MILES, ALL TRAFFIC, 2,935,342,700.

PORTLAND, OR, DISTRICT

47

PORT OF ASTORIA, OREG.

SECTION INCLUDED: (STATISTICS FOR THAT SECTION OF THE PORT WITH FRONTAGE ON THE COLUMBIA RIVER ARE ALSO INCLUDED IN STATISTICS FOR COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG., AND STATISTICS FOR PORTION OF PORT WITH FRONTAGE ON YOUNGS BAY ARE ALSO INCLUDED IN STATISTICS FOR YOUNGS BAY AND YOUNGS RIVER, OREG.) CONTROLLING DEPTH: 38 FEET IN COLUMBIA RIVER AND 9 FEET IN YOUNGS BAY. PROJECT DEPTH: 40 FEET IN COLUMBIA RIVER AND 10 FEET IN YOUNGS BAY.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1976-----	2,738,935	1,429,038	4,167,973	61	1981-----	1,434,549	598,963	2,033,492	468
1977-----	1,540,034	1,088,929	2,628,963	10	1982-----	1,272,911	634,601	1,907,512	178
1978-----	1,379,259	951,403	2,330,662	752	1983-----	1,122,757	538,195	1,660,952	5,369
1979-----	1,507,280	929,857	2,437,137	370	1984-----	1,625,278	504,587	2,131,865	3,961
1980-----	1,565,869	871,316	2,437,185		1985-----	1,178,786	492,046	1,670,832	

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	RECEIPTS	SHIPMENTS		
TOTAL-----	1,670,832	18,867	694,401	10,410	585,508	318,806	42,840	
0103 CORN-----	101		10					
0107 WHEAT-----	8,818		8,818					
0129 FIELD CROPS, NEC-----	26		26					
0133 COFFEE-----	192	192						
0141 FRESH AND FROZEN VEGETABLES-----	333		333					
0911 FRESH FISH, EXCEPT SHELLFISH-----	10,120	65			10,055			
0912 SHELLFISH, EXCEPT PREPARED-----	1,486				1,486			
1011 IRON ORE AND CONCENTRATES-----	10,000				10,000			
1411 LIMESTONE-----	231,500					231,500		
1402 SAND, GRAVEL, CRUSHED ROCK-----	12,712				12,712			
1051 CLAY-----	100					100		
2015 ANIMAL BY-PRODUCTS, NEC-----	22		22					
2034 VEGETABLES AND PREP, NEC-----	1	1						
2042 ANIMAL FEEDS-----	80,556		80,556					
2211 BASIC TEXTILE PRODUCTS-----	3	3						
2311 APPAREL-----	3	3						
2411 LOGS-----	590,269		590,269			650		
2412 RAFTED LOGS-----	492,046				426,514	65,532		
2421 LUMBER-----	418	326	92					
2431 VENEER, PLYWOOD, WORKED WOOD-----	5,117	975				4,142		
2491 WOOD MANUFACTURES, NEC-----	159	130	29					
2511 FURNITURE AND FIXTURES-----	6		6					
2621 STANDARD NEWSPRINT PAPER-----	1,099		1,099					
2631 PAPER AND PAPERBOARD-----	12,981	6,972	2,578		3,431			
2691 PULP AND PAPER PRODUCTS, NEC-----	17,462	3,004			551	13,907		
2819 BASIC CHEMICALS AND PROD, NEC-----	3		3					
2914 DISTILLATE FUEL OIL-----	24,496				24,496			
2915 RESIDUAL FUEL OIL-----	145,068			1,595	95,658	7,975	42,840	
2916 LUBRICATING OILS AND GREASES-----	105				105			
2920 COKE, PETROLEUM COKE-----	11,033		11,033					
2991 PETROLEUM AND COAL PROD, NEC-----	6,815		6,815					
3011 RUBBER AND MISC PLASTIC PROD-----	31	3	28					
3111 LEATHER AND LEATHER PRODUCTS-----	13	13						
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,934	1,934						
3317 IRON AND STEEL PIPE AND TUBE-----	875	875						
3319 IRON AND STEEL PRODUCTS, NEC-----	18	18						
3411 FABRICATED METAL PRODUCTS-----	1,873	1,873						
3511 MACHINERY, EXCEPT ELECTRICAL-----	31	0	27					
3611 ELECTRICAL MACH AND EQUIP-----	51	11						
3701 MOTOR VEHICLES, PARTS, EQUIP-----	2,379	2,379						
3911 MISC MANUFACTURED PRODUCTS-----	4		4					
4024 PAPER WASTE AND SCRAP-----	59	59						
4029 WASTE AND SCRAP, NEC-----	71		71					
4112 COMMODITIES, NEC-----	500				500			
	36		36					

PORTS OTHER THAN PORTLAND, ASTORIA, ST. HELENS, LONGVIEW, VANCOUVER AND KALAMA

SECTION INCLUDED: (INCLUDED IN STATISTICS FOR COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.)
PORTS INCLUDED: BRADWOOD, WAUNA, BEAVER POINT, RAINIER AND PRESCOTT, OREG. AND KNAPPYTON, WASH. CONTROLLING DEPTH: 38 FEET, PROJECT DEPTH: 40 FEET AT LOW WATER IN MAIN CHANNEL.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1976-----	1,043,325	346,474	1,389,799	1981-----	961,144	225,314	1,186,458
1977-----	1,199,627	271,579	1,471,206	1982-----	887,524	278,278	1,165,802
1978-----	1,065,682	223,410	1,289,092	1983-----	930,629	224,167	1,154,796
1979-----	1,332,426	220,773	1,553,199	1984-----	807,025	183,270	990,304
1980-----	823,095	425,052	1,248,147	1985-----	821,638	125,288	946,926

* PASSENGERS--500.

Waterborne Commerce of the United States, 1985

PORTS OTHER THAN PORTLAND, ASTORIA, ST. HELENS,
LONGVIEW, VANCOUVER AND KALAMA--CONTINUED

FREIGHT TRAFFIC, 1985

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL	
		RECEIPTS	SHIPMENTS
TOTAL-----	946,926	526,944	419,982
1451 CLAY-----	300	300	-----
2411 LOGS-----	4,175	4,175	-----
2412 RAFTED LOGS-----	125,248	107,642	17,606
2413 FUEL WOOD, CHARCOAL, WASTES-----	26,802	26,802	-----
2416 WOOD CHIPS, STAVES, MOLDINGS-----	355,731	351,204	4,527
2421 LUMBER-----	200	100	100
2491 WOOD MANUFACTURES, NEC-----	200	100	100
2611 PULP-----	54,674	296	54,378
2631 PAPER AND PAPERBOARD-----	5,340	1,259	4,081
2691 PULP AND PAPER PRODUCTS, NEC-----	363,293	37,729	325,564
2915 RESIDUAL FUEL OIL-----	5,610	3,425	1,745
3291 MISC NONMETALLIC MINERAL PROD-----	200	100	100
3411 FABRICATED METAL PRODUCTS-----	3,902	2	3,900
3511 MACHINERY, EXCEPT ELECTRICAL-----	24	-----	24
4024 WASTE AND SCRAP, NEC-----	1,145	450	735

PORT OF LONGVIEW, WASH.

SECTION INCLUDED: (INCLUDED IN STATISTICS FOR COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.)
CONTROLLING DEPTH: 37 FEET IN CHANNEL AND 38 FEET IN TURNING BASIN. PROJECT DEPTH: 40 FOOT CHANNEL IN COLUMBIA RIVER AND 6,000 FOOT
TURNING BASIN AT LOW WATER.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1976-----	7,264,877	1,954,649	9,223,526	-----	1981-----	8,515,266	1,140,750	9,656,016	-----
1977-----	6,604,771	1,504,615	8,169,386	-----	1982-----	7,525,139	1,234,991	8,760,130	-----
1978-----	7,423,913	948,782	8,372,695	-----	1983-----	8,407,786	1,030,185	9,437,971	-----
1979-----	6,959,661	1,540,400	8,500,070	-----	1984-----	8,366,674	1,035,182	9,401,856	1,210
1980-----	8,543,000	1,413,229	9,956,229	-----	1985-----	7,548,410	900,745	8,449,155	335

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
TOTAL-----	8,449,155	742,221	5,195,176	85,227	150,426	1,491,817	483,626	100,662
0103 CORN-----	921,822		921,822					
0106 SORGHUM GRAINS-----	9,100		9,100					
0107 WHEAT-----	363,555		191,312			170,406	1,837	
0111 SOYBEANS-----	140		42			98		
0119 OILSEEDS, NEC-----	20		20					
0129 FIELD CROPS, NEC-----	1,668		56			1,608		
0133 COFFEE-----	115	115						
0141 FRESH AND FROZEN VEGETABLES-----	2,646		1,126			1,520		
0161 ANIMALS AND PRODUCTS, NEC-----	9	9						
0861 FOREST PRODUCTS, NEC-----	58	58						
0911 FRESH FISH, EXCEPT SHELLFISH-----	39					39		
1051 ALUMINUM ORES, CONCENTRATES-----	519,655	519,655						
1091 NONFERROUS ORES, CONCENT, NEC-----	4,498	4,498						
1402 SAND, GRAVEL, CRUSHED ROCK-----	4,131					1,400	2,600	131
1451 CLAY-----	3		3					
1491 SALT-----	194,664	194,664						
1499 NONMETALLIC MINERALS, NEC-----	963						363	600
2010 TALLOW, ANIMAL FATS AND OILS-----	546		546					
2031 FISH AND SHELLFISH, PREPARED-----	84	84						
2034 VEGETABLES AND PREP, NEC-----	87	20				67		
2042 ANIMAL FEEDS-----	42,321		42,321					
2049 GRAIN MILL PRODUCTS, NEC-----	5,801	14	5,787					
2081 ALCOHOLIC BEVERAGES-----	55							
2099 MISCELLANEOUS FOOD PRODUCTS-----	31	19	12					
2211 BASIC TEXTILE PRODUCTS-----	41	20	21					
2311 APPAREL-----	38	38						
2411 LOGS-----	2,401,353		2,389,405			8,473	3,475	
2412 RAFTED LOGS-----	900,745					129,533	672,149	99,063
2413 FUEL WOOD, CHARCOAL, WASTES-----	34,046					34,046		
2414 TIMBER, POSTS, POLES, PILING-----	100							100
2416 WOOD CHIPS, STAVES, MOLDINGS-----	1,214,068		189,768	8,400		1,019,132		764
2421 LUMBER-----	224,267	146	133,429		90,475	134	83	
2431 VENEER, PLYWOOD, WORKED WOOD-----	15,967	183	9,958		5,826			
2491 WOOD MANUFACTURES, NEC-----	470	5	244			133	84	
2511 FURNITURE AND FIXTURES-----	3							
2611 PULP-----	23,293		23,293					
2621 STANDARD NEWSPRINT PAPER-----	80,198		80,198					
2631 PAPER AND PAPERBOARD-----	130,158	16	106,705			23,437		
2691 PULP AND PAPER PRODUCTS, NEC-----	254	33				221		
2711 PRINTED MATTER-----	1		1					

PORTLAND, OR, DISTRICT

49

PORT OF LONGVIEW, WASH.--CONTINUED
FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2810 SODIUM HYDROXIDE-----	44,146	-----	-----	-----	44,146	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	897,844	12,258	885,586	-----	-----	-----	-----	-----
2821 PLASTIC MATERIALS-----	25	25	-----	-----	-----	-----	-----	-----
2841 SOAP-----	2	-----	2	-----	-----	-----	-----	-----
2851 PAINTS-----	8	8	-----	-----	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	3,048	-----	-----	-----	2,000	1,048	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	20	-----	20	-----	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	6	-----	6	-----	-----	-----	-----	-----
2911 GASOLINE-----	1,546	-----	-----	-----	-----	1,546	-----	-----
2914 DISTILLATE FUEL OIL-----	5,236	-----	-----	-----	-----	5,236	-----	-----
2915 RESIDUAL FUEL OIL-----	168,064	-----	-----	76,827	-----	91,237	-----	-----
2916 LUBRICATING OILS AND GREASES-----	10	-----	-----	-----	-----	10	-----	-----
2918 ASPHALT, TAR, AND BITUMENS-----	7,163	7,163	-----	-----	-----	-----	-----	-----
2920 COKE, PETROLEUM COKE-----	197,049	-----	197,049	-----	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	7,979	-----	-----	-----	7,979	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	103	90	13	-----	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	48	48	-----	-----	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	10	10	-----	-----	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	22	22	-----	-----	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	387	110	61	-----	-----	133	83	-----
3315 IRON, STEEL SHAPES, ETC SHEET-----	370	370	-----	-----	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	436	436	3	-----	-----	-----	-----	-----
3318 FERROALLOYS-----	13	-----	-----	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	6,956	357	6,599	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	2,758	655	1	-----	-----	1,600	502	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	557	414	28	-----	-----	25	90	-----
3611 ELECTRICAL MACH AND EQUIP-----	302	302	-----	-----	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	184	86	98	-----	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	53	52	1	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	153	151	2	-----	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	40	-----	40	-----	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	148	-----	148	-----	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	3,095	-----	-----	-----	-----	735	2,360	-----
4112 COMMODITIES, NEC-----	385	39	346	-----	-----	-----	-----	-----

PORT OF KALAMA, WASH.

SECTION INCLUDED: (INCLUDED IN STATISTICS FOR COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.)
CONTROLLING DEPTH: 34 FEET. PROJECT DEPTH: 40 FEET AT LOW WATER.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1976-----	1,073,862	211,014	1,284,876	1981-----	1,521,654	136,792	1,658,446
1977-----	671,322	107,652	858,974	1982-----	1,382,389	106,403	1,488,792
1978-----	854,474	167,749	1,013,223	1983-----	1,599,823	90,934	1,690,757
1979-----	977,274	164,573	1,141,851	1984-----	5,370,724	59,684	5,430,412
1980-----	1,311,370	154,322	1,465,692	1985-----	4,401,401	50,303	4,451,704

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC	
		IMPORTS	EXPORTS	SHIPMENTS	RECEIPTS	SHIPMENTS	INTERNAL
TOTAL-----	4,451,704	24,974	4,215,429	4,118	170,744	36,439	-----
0102 BARLEY AND RYE-----	6,359	-----	-----	-----	6,359	-----	-----
0103 CORN-----	3,522,025	-----	3,481,264	-----	40,761	-----	-----
0106 SORGHUM GRAINS-----	174,415	-----	174,415	-----	-----	-----	-----
0107 WHEAT-----	338,369	-----	240,329	-----	98,040	3,722	-----
0131 FRESH FRUITS-----	4	-----	4	-----	-----	-----	-----
0133 COFFEE-----	19	19	-----	-----	-----	-----	-----
2411 LOGS-----	176,488	-----	176,488	-----	-----	-----	50
2412 RAFTED LOGS-----	50,303	-----	-----	-----	16,087	32,216	-----
2421 LUMBER-----	14,620	-----	10,469	4,151	33	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	4,796	-----	4,796	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	149	-----	115	-----	34	-----	-----
2611 PULP-----	7,491	-----	7,491	-----	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	101,137	-----	101,137	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	18,965	-----	18,965	-----	-----	-----	-----
2817 BENZENE AND TOLUENE-----	24,850	24,850	-----	-----	-----	-----	-----
2915 RESIDUAL FUEL OIL-----	6,957	-----	-----	-----	6,957	-----	-----
2916 LUBRICATING OILS AND GREASES-----	41	-----	-----	-----	41	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	33	-----	-----	-----	33	-----	-----
3315 IRON, STEEL SHAPES, ETC SHEET-----	105	105	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	1,550	-----	-----	-----	1,100	450	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	22	-----	-----	-----	21	1	-----

Waterborne Commerce of the United States, 1985

MULTNOMAH CHANNEL, OREG.

SECTION INCLUDED: A SIDE CHANNEL FROM THE WILLAMETTE RIVER NEAR PORTLAND, OREG., TO THE COLUMBIA RIVER NEAR ST. HELENS, OREG., A DISTANCE OF ABOUT 22 MILES. CONTROLLING DEPTH: 18 FEET IN A 300-FOOT CHANNEL AT NORTH END; 14.5 TO 21 FEET IN A 250-FOOT CHANNEL AT SOUTH END; 8 TO 50 FEET IN REMAINDER OF CHANNEL. PROJECT DEPTH: 25 FEET DEEP AND 5,000 FEET LONG AT THE COLUMBIA RIVER END; 25 FEET DEEP AND 4,500 FEET LONG AT THE WILLAMETTE RIVER END.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1976	1,034,938	1,084,575	2,119,513	1981	1,251,192	435,287	1,686,479
1977	1,397,675	159,040	2,156,715	1982	1,079,191	521,972	1,601,163
1978	1,056,217	584,880	2,241,097	1983	1,422,424	328,676	1,751,100
1979	1,348,654	756,553	2,105,211	1984	744,756	375,793	1,120,549
1980	1,120,070	770,197	1,890,276	1985	1,173,828	373,844	1,547,674

* PASSENGERS=12,966.

FREIGHT TRAFFIC, 1985

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL			
		INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL	1,547,674	201,638	1,320,946	19,632	5,418
1402 SAND, GRAVEL, CRUSHED ROCK	762,823		762,823		
1409 NONMETALLIC MINERALS, NEC	150		150		
2011 LOGS	2,800	2,800			
2412 RAFTED LOGS	373,846	175,406	174,390	14,632	5,414
2416 WOOD CHIPS, STAVES, HOLDINGS	51,644		51,644		
2611 PULP	332,000		331,000	1,000	
2915 RESIDUAL FUEL OIL	22,332	22,332			
3411 FABRICATED METAL PRODUCTS	125	50	75		
3511 MACHINERY, EXCEPT ELECTRICAL	400		400		
4029 WASTE AND SCRAP, NEC	1,550	1,050	500		
TOTAL TON-MILES	7,326,399				

OREGON SLOUGH (NORTH PORTLAND HARBOUR), OREG.

SECTION INCLUDED: FROM DEEP WATER IN THE COLUMBIA RIVER TO A POINT ABOVE THE PORTLAND UNION STOCK YARDS, A DISTANCE OF NEARLY 4 MILES. CONTROLLING DEPTH: 11 FEET. PROJECT DEPTH: 20 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1976	132,669	290,700	423,369	1981	692,650	17,726	710,376
1977	158,611	131,768	290,379	1982	667,232	1,964	669,196
1978	312,064	202,311	514,375	1983	861,292	1,435	862,727
1979	329,216	60,913	390,129	1984	640,179	2,720	642,899
1980	303,665	20,800	327,470	1985	730,519	1,044	733,604

* PASSENGERS=101.

FREIGHT TRAFFIC, 1985

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL	
		RECEIPTS	SHIPMENTS	INBOUND	OUTBOUND
TOTAL	733,603	36,611	115,557	315,333	266,102
0103 CORN	230			230	
0107 WHEAT	3,876			216	3,660
0111 SOYBEANS	645			645	
0120 HAY AND FODDER	39,841			39,794	47
0129 FIELD CROPS, NEC	61,973			52,541	9,432
0131 FRESH FRUITS	1,592	1,006	586		
0133 COFFEE	7	7			
0141 FRESH AND FROZEN VEGETABLES	25,081	14	9,922	15,048	97
0161 ANIMALS AND PRODUCTS, NEC	6,803			6,803	
0861 FOREST PRODUCTS, NEC	473	57	416		
0912 SHELLFISH, EXCEPT PREPARED	67				
1402 SAND, GRAVEL, CRUSHED ROCK	301,889			107,912	193,977
1409 NONMETALLIC MINERALS, NEC	4,270		4,270		
2011 MEAT, FRESH, CHILLED, FROZEN	298	4	294		
2015 ANIMAL BY-PRODUCTS, NEC	16,041			16,041	
2021 DAIRY PRODUCTS, NEC	22		22		
2034 VEGETABLES AND PREP, NEC	3,318	605	928	1,785	
2039 PREP FRUIT AND VEG JUICE, NEC	8,710	8,672	38		
2042 ANIMAL FEEDS	13,645		10,363	3,302	
2049 GRAIN MILL PRODUCTS, NEC	565			565	

PORTLAND, OR, DISTRICT

51

OREGON SLOUGH (NORTH PORTLAND HARBOR), OREG.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL	
		RECEIPTS	SHIPMENTS	INBOUND	OUTBOUND
2062 MOLASSES-----	54,952	23,121	-----	-----	31,831
2081 ALCOHOLIC BEVERAGES-----	4,588	-----	4,577	-----	7
2096 GROCERIES-----	151	1	150	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	1,801	194	1,607	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	17	-----	17	-----	-----
2411 LOGS-----	1,172	-----	72	-----	1,100
2412 RAFTED LOGS-----	3,084	-----	-----	-----	3,084
2413 FUEL WOOD, CHARCOAL, WASTES-----	1,368	-----	1,368	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	5	-----	-----	-----	5
2421 LUMBER-----	10,875	42	9,870	702	261
2431 VENEER, PLYWOOD, WORKED WOOD-----	3,331	-----	3,331	-----	-----
2491 WOOD MANUFACTURES, NEC-----	4,011	-----	3,314	440	257
2511 FURNITURE AND FIXTURES-----	898	325	573	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	1,591	-----	1,591	-----	-----
2631 PAPER AND PAPERBOARD-----	37,605	-----	4,605	32,925	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	29,237	-----	16,487	12,742	8
2812 DYES, PIGMENT, TANNING WATS-----	309	-----	309	-----	-----
2813 ALCOHOLS-----	239	239	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	2,801	135	1,666	-----	-----
2821 PLASTIC MATERIALS-----	905	-----	905	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	9,179	-----	9,179	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	2,934	-----	94	-----	2,840
2915 RESIDUAL FUEL OIL-----	17,654	-----	-----	17,654	-----
2918 ASPHALT, TAR, AND BITUMENS-----	8,367	-----	8,367	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	376	24	258	-----	94
3211 GLASS AND GLASS PRODUCTS-----	31	-----	31	-----	-----
3241 BUILDING CEMENT-----	447	-----	447	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	2,650	-----	1,953	440	257
3312 SLAG-----	2,968	-----	2,968	-----	-----
3315 IRON, STEEL SHAPES, ETC SHEET-----	4	-----	4	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	719	-----	719	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	1,248	-----	1,248	-----	-----
3321 NONFERROUS METALS, NEC-----	56	-----	56	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	4,015	-----	-----	4,015	-----
3411 FABRICATED METAL PRODUCTS-----	3,916	15	3,551	250	100
3511 MACHINERY, EXCEPT ELECTRICAL-----	618	110	320	23	165
3611 ELECTRICAL MACH AND EQUIP-----	1,827	-----	1,827	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	2,013	1,180	833	-----	-----
3731 SHIPS AND BOATS-----	33	3	30	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	342	55	287	-----	-----
4011 IRON AND STEEL SCRAP-----	725	476	-----	249	-----
4112 COMMODITIES, NEC-----	5,950	216	5,734	-----	-----
4119 EMPTY CONTAINERS-----	20,449	110	48	1,011	19,280

PORT OF VANCOUVER, WASH.

SECTION INCLUDED: (STATISTICS FOR THAT SECTION OF THE PORT BELOW INTERSTATE BRIDGE ARE ALSO INCLUDED IN THE STATISTICS FOR COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG., AND STATISTICS FOR SECTION ABOVE INTERSTATE BRIDGE ARE ALSO INCLUDED IN STATISTICS FOR COLUMBIA RIVER FROM VANCOUVER, WASH., TO THE DALLES, OREG.) CONTROLLING DEPTH: 26 FEET AT LOW WATER FOR THAT SECTION OF THE PORT BELOW RAILROAD BRIDGE AND 15 FEET FOR THAT SECTION OF THE PORT ABOVE INTERSTATE BRIDGE. PROJECT DEPTH: 10 FEET AT LOW WATER IN THE LOWER TURNING BASIN AND 35 FEET AT LOW WATER IN THE UPPER TURNING BASIN.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1976-----	2,779,076	260,568	3,039,644	1951-----	2,640,455	115,153	2,755,608
1977-----	2,568,201	260,472	2,828,673	1982-----	2,668,608	65,947	2,734,555
1978-----	2,941,670	273,103	3,214,782	1983-----	2,940,920	47,642	2,988,562
1979-----	3,041,547	184,985	3,226,532	1984-----	3,389,375	66,599	3,455,974
1980-----	2,779,893	131,559	2,911,452	1985-----	5,279,140	50,675	5,329,815

* PASSENGERS--6,870.

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	5,329,815	797,953	2,640,621	10,659	1,795,682	79,109	5,291	
0102 BARLEY AND RYE-----	66,072	-----	60	-----	66,012	-----	-----	
0103 CORN-----	70	-----	70	-----	-----	-----	-----	
0107 WHEAT-----	3,787,192	-----	2,515,985	-----	1,261,208	4,943	8,820	
0129 FIELD CROPS, NEC-----	935	31	184	-----	720	-----	-----	
0131 FRESH FRUITS-----	206	-----	206	-----	-----	-----	-----	
0133 COFFEE-----	187	187	-----	-----	-----	-----	-----	
0141 FRESH AND FROZEN VEGETABLES-----	9,926	20	6,521	-----	3,385	-----	-----	
0161 ANIMALS AND PRODUCTS, NEC-----	391	391	-----	-----	-----	-----	-----	
0191 MISCELLANEOUS FARM PRODUCTS-----	1	-----	-----	-----	-----	-----	-----	
0841 CRUDE RUBBER AND ALLIED GUMS-----	19	19	-----	-----	-----	-----	-----	
0861 FOREST PRODUCTS, NEC-----	75	75	-----	-----	-----	-----	-----	

Waterborne Commerce of the United States, 1985

PORT OF VANCOUVER, WASH.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	INTERNAL RECEIPTS SHIPMENTS	
0911 FRESH FISH, EXCEPT SMELFISH	391				391	
0912 SMELFISH, EXCEPT PREPARED	171				171	
1051 ALUMINUM ORES, CONCENTRATES	619,379	619,379				
1091 NONFERROUS ORES, CONCENT. NEC	5,358	5,358				
1451 CLAY	6,838		6,838			
2031 FISH AND SMELFISH, PREPARED	24	24				
2034 VEGETABLES AND PREP. NEC	574		104		376	
2039 PREP FRUIT AND VEG JUICE, NEC	198		5			
2041 WHEAT FLOUR AND SEMOLINA	600		600			
2042 ANIMAL FEEDS	3,578	3,031	547			
2049 GRAIN MILL PRODUCTS, NEC	334		334			
2099 MISCELLANEOUS FOOD PRODUCTS	79	76	3			
2211 BASIC TEXTILE PRODUCTS	171	100	71			
2311 APPAREL	4		4			
2411 LOGS	2,080		2,080			
2412 RAFTED LOGS	50,675				29,061	20,461
2414 TIMBER, POSTS, POLES, PILING	1,362		1,362			771
2416 WOOD CHIPS, STAVES, MOLDINGS	6		6			
2421 LUMBER	37,283	26,514	10,633		68	68
2431 VENEER, PLYWOOD, WORKED WOOD	29,652	29,445	207			
2491 WOOD MANUFACTURES, NEC	4,853	3,770	918		99	99
2511 FURNITURE AND FIXTURES	79		46			
2611 PULP	333,331		31		333,300	
2621 STANDARD NEWSPRINT PAPER	20	20				
2631 PAPER AND PAPERBOARD	20,800	112	20,267		421	
2813 ALCOHOLS	10,859			10,859		
2819 BASIC CHEMICALS AND PROD, NEC	12,661	191	8,786			3,684
2821 PLASTIC MATERIALS	19		19			
2831 DRUGS	6		6			
2841 SOAP	39		39			
2851 PAINTS	20		20			
2871 NITROGENOUS CHEM FERTILIZERS	40,180	22,353			17,538	208
2891 MISCELLANEOUS CHEMICAL PROD	2,528	20	11		2,497	
2911 GASOLINE	49,070				11,966	37,594
2914 DISTILLATE FUEL OIL	11,435				1,506	9,929
2915 RESIDUAL FUEL OIL	65,881				64,691	1,190
2916 LUBRICATING OILS AND GREASES	261				261	
2920 COKE, PETROLEUM COKE	19,360		19,360			
3011 RUBBER AND MISC PLASTIC PROD	466	466	2			
3111 LEATHER AND LEATHER PRODUCTS	31	21	10			
3211 GLASS AND GLASS PRODUCTS	4		4			
3241 BUILDING CEMENT	12,676	12,676				
3251 STRUCTURAL CLAY PRODUCTS	4		4			
3261 CUT STONE AND STONE PRODUCTS	91	91				
3291 MISC NONMETALLIC MINERAL PROD	117	13	5		55	66
3315 IRON, STEEL SHAPES, EXC SHEET	23,969	23,969				
3316 IRON AND STEEL PLATES, SHEETS	3,322	3,322				
3317 IRON AND STEEL PIPE AND TUBE	24,801	24,795	4			
3318 FERROALLOYS	77		17			
3319 IRON AND STEEL PRODUCTS, NEC	156	156				
3321 NONFERROUS METALS, NEC	492	492				
3322 COPPER ALLOYS, UNWORKED	10,031		10,031			
3323 LEAD AND ZINC, UNWORKED	628	628				
3324 ALUMINUM AND ALLOYS, UNWORKED	31,674	1,636	30,238			
3411 FABRICATED METAL PRODUCTS	2,716	869	547		1,300	
3511 MACHINERY, EXCEPT ELECTRICAL	3,327	141	3,176		10	
3611 ELECTRICAL MACH AND EQUIP	594	37	557			
3711 MOTOR VEHICLES, PARTS, EQUIP	16,985	16,711	274			
3731 SHIPS AND BOATS	88	88				
3811 INSTR, TIME, PHOTO, OPT GOODS	2	2				
3911 MISC MANUFACTURED PRODUCTS	101	74	27			
4011 IRON AND STEEL SCRAP	26		26			
4012 NONFERROUS METAL SCRAP	148		148			
4022 TEXTILE WASTE, SCRAP, SWEEP	2		2			
4024 PAPER WASTE AND SCRAP	77		77			
4029 WASTE AND SCRAP, NEC	1,000				500	500
4112 COMMODITIES, NEC	238	70	168			

COLUMBIA RIVER BETWEEN VANCOUVER, WASH.,
AND THE DALLES, OREG.SECTION INCLUDED: COLUMBIA RIVER BETWEEN VANCOUVER, WASH., AND THE DALLES, OREG., A DISTANCE OF ABOUT 85 MILES. CONTROLLING DEPTH:
15 FEET BETWEEN VANCOUVER AND THE DALLES. PROJECT DEPTH: 27 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1976	6,529,546	1,474,266	8,203,812	1981	9,075,438	1,233,697	10,309,135
1977	6,740,767	1,418,085	8,178,852	1982	7,750,152	1,016,209	8,766,401
1978	7,876,232	1,112,412	8,988,744	1983	8,036,549	951,000	8,987,549
1979	8,194,993	1,111,874	9,306,867	1984	9,400,599	730,165	10,130,764
1980	9,144,764	1,599,325	10,744,089	1985	7,483,841	862,710	8,346,551

* PASSENGERS--150,943.

PORTLAND, OR, DISTRICT

53

COLUMBIA RIVER BETWEEN VANCOUVER, WASH.,
AND THE DALLES, OREG.--CONTINUED

FREIGHT TRAFFIC, 1985

DOMESTIC
(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL				THROUGH	
		RECEIPTS	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	UPBOUND	DOWNBOUND	
TOTAL-----	8,346,551	3,928	438,737	1,408,251	349,992	397,897	1,358,124	4,398,350	
0102 BARLEY AND RYE-----	277,297			5,062				272,235	
0103 CORN-----	40,991							40,991	
0107 WHEAT-----	3,314,901			66,849				3,248,052	
0111 SOYBEANS-----	743							743	
0122 HAY AND FODDER-----	40,060						47	40,013	
0129 FIELD CROPS, NEC-----	63,253						9,720	53,533	
0141 FRESH AND FROZEN VEGETABLES-----	21,493						97	21,396	
0161 ANIMALS AND PRODUCTS, NEC-----	6,803							6,803	
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,845		1,845						
0912 SHELLFISH, EXCEPT PREPARED-----	600					600			
1442 SAND, GRAVEL, CRUSHED ROCK-----	7,768		2,900	2,668	400	1,800			
1451 CLAY-----	5,566		5,566						
2015 ANIMAL BY-PRODUCTS, NEC-----	16,041							16,041	
2036 VEGETABLES AND PREP, NEC-----	8,736							8,736	
2042 ANIMAL FEEDS-----	3,302							3,302	
2049 GRAIN MILL PRODUCTS, NEC-----	5,513		4,068					565	
2062 MOLASSES-----	17,984						17,984		
2081 ALCOHOLIC BEVERAGES-----	7						7		
2411 LOGS-----	48,068		31,884	2,337				13,847	
2412 RAFTED LOGS-----	862,710		164,712	178,855	333,142	186,001			
2413 FUEL WOOD, CHARCOAL, WASTES-----	81,142		3,868	46,130		22,073		11,071	
2414 TIMBER, POSTS, POLES, PILING-----	1,667					100		1,567	
2416 WOOD CHIPS, STAVES, MULDINGS-----	1,342,357		145,767	628,452		182,798	889	426,451	
2421 LUMBER-----	3,701		992	1,380	840	300		189	
2491 WOOD MANUFACTURES, NEC-----	3,452		979	1,443	730	300			
2611 PULP-----	40,150		10,023	27				39,100	
2631 PAPER AND PAPERBOARD-----	58,725							58,725	
2691 PULP AND PAPER PRODUCTS, NEC-----	531,908		47,498	471,439			8	12,963	
2813 ALCOHOLS-----	3,928	3,928							
2819 BASIC CHEMICALS AND PROD, NEC-----	107,344			3,684			103,660		
2871 NITROGENOUS CHEM FERTILIZERS-----	25,059		2,304	298			7,861	14,504	
2876 INSECTICIDES, DISINFECTANTS-----	2,840						2,840		
2891 MISCELLANEOUS CHEMICAL PROD-----	2,497		2,497						
2911 GASOLINE-----	546,931		1,338				482,628	62,965	
2912 JET FUEL-----	22,971						19,585	3,386	
2914 DISTILLATE FUEL OIL-----	700,187						666,015	34,172	
2915 RESIDUAL FUEL OIL-----	26,733		4,820				21,913		
2916 LUBRICATING OILS AND GREASES-----	1,512						1,512		
3011 RUBBER AND MISC PLASTIC PROD-----	94						94		
3291 MISC NONMETALLIC MINERAL PROD-----	3,336		979	1,327	730	300			
3315 IRON, STEEL SHAPES, EXC SHEET-----	550		100	450					
3319 IRON AND STEEL PRODUCTS, NEC-----	200				200				
3323 LEAD AND ZINC, UNWORKED-----	4,015							4,015	
3411 FABRICATED METAL PRODUCTS-----	7,042			750	3,400		100	2,592	
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,173		425	100	350	175	120	3	
4011 IRON AND STEEL SCRAP-----	249							249	
4024 WASTE AND SCRAP, NEC-----	14,650		5,200	1,000	5,000	3,450			
4119 EMPTY CONTAINERS-----	19,457						19,316	141	
TOTAL TON-MILES, 526,235,549.									

COLUMBIA RIVER ABOVE THE DALLES DAM, WASH. AND OREG. TO
MCNARY LOCK AND DAM, OREG. AND WASH.

SECTION INCLUDED: COLUMBIA RIVER BETWEEN THE DALLES DAM AND MCNARY LOCK AND DAM, A DISTANCE OF ABOUT 91 MILES. CONTROLLING DEPTHS
WITHIN THE DALLES AND JOHN DAY POOLS, 14 FEET. PROJECT DEPTH: 14 FEET AT ADOPTED LOW WATER.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR		TONS	YEAR		TONS
1976-----	5,260,069	1981-----	8,167,034		
1977-----	4,865,268	1982-----	7,388,699		
1978-----	6,118,003	1983-----	6,939,894		
1979-----	6,442,713	1984-----	7,519,804		
1980-----	7,725,206	1985-----	5,865,134		

* PASSENGERS--4,043.

FREIGHT TRAFFIC, 1985

DOMESTIC
(SHORT TONS)

COMMODITY	TOTAL	INTERNAL			
		INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL-----	5,865,134	8,164	678,747	1,358,124	3,820,059
0102 BARLEY AND RYE-----	272,235		48,148		224,087
0103 CORN-----	40,991		40,761		230
0107 WHEAT-----	3,248,052		375,966		2,872,086
0111 SOYBEANS-----	743				743
0122 HAY AND FODDER-----	40,060	28	25,492	14	14,521

Waterborne Commerce of the United States, 1985

COLUMBIA RIVER ABOVE THE DALLES DAM, WASH. AND OREG. TO
MCVARY LOCK AND DAM, OREG. AND WASH.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL			
		INBOUND	OUTBOUND	THROUGH	DOWNBOUND
0129 FIELD CROPS, NEC-----	64,045	1,488	216	9,024	53,317
0141 FRESH AND FROZEN VEGETABLES-----	21,493	-----	1,182	97	20,214
0161 ANIMALS AND PRODUCTS, NEC-----	6,803	-----	-----	-----	6,803
2015 ANIMAL BY-PRODUCTS, NEC-----	16,041	-----	-----	-----	16,041
2034 VEGETABLES AND PREP, NEC-----	8,736	-----	-----	-----	8,736
2042 ANIMAL FEEDS-----	3,302	-----	-----	-----	3,302
2049 GRAIN MILL PRODUCTS, NEC-----	565	-----	565	-----	-----
2062 MOLASSES-----	17,988	-----	-----	17,988	-----
2081 ALCOHOLIC BEVERAGES-----	7	-----	-----	7	-----
2411 LOGS-----	42,806	-----	-----	-----	42,806
2413 FUEL WOOD, CHARCOAL, WASTES-----	12,980	-----	-----	-----	12,980
2414 TIMBER, POSTS, POLES, PILING-----	2,867	-----	1,340	-----	1,527
2416 WOOD CHIPS, STAVES, HOLDINGS-----	496,075	1,009	182,562	8,541	307,483
2421 LUMBER-----	813	220	404	-----	189
2491 WOOD MANUFACTURES, NEC-----	613	215	398	-----	-----
2611 PULP-----	39,100	-----	-----	-----	39,100
2631 PAPER AND PAPERBOARD-----	59,947	1,222	1,340	-----	57,385
2691 PULP AND PAPER PRODUCTS, NEC-----	12,971	-----	-----	8	12,963
2819 BASIC CHEMICALS AND PROD, NEC-----	107,384	-----	-----	107,340	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	25,059	-----	-----	8,159	16,900
2876 INSECTICIDES, DISINFECTANTS-----	2,840	-----	-----	2,440	-----
2911 GASOLINE-----	546,951	-----	-----	482,628	64,303
2912 JET FUEL-----	22,971	-----	-----	19,545	3,426
2914 DISTILLATE FUEL OIL-----	700,187	-----	-----	666,015	34,172
2915 RESIDUAL FUEL OIL-----	21,913	-----	-----	21,913	-----
2916 LUBRICATING OILS AND GREASES-----	1,512	-----	-----	1,512	-----
3011 RUBBER AND MISC PLASTIC PROD-----	94	-----	-----	94	-----
3291 MISC NONMETALLIC MINERAL PROD-----	613	215	398	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	4,015	-----	-----	-----	4,015
3411 FABRICATED METAL PRODUCTS-----	2,692	-----	-----	100	2,592
3511 MACHINERY, EXCEPT ELECTRICAL-----	123	-----	-----	120	3
4011 IRON AND STEEL SCRAP-----	249	-----	-----	-----	249
4119 EMPTY CONTAINERS-----	19,562	3,287	15	16,130	126
TOTAL TON-MILES, 563,079,973.					

PORT OF PORTLAND, OREG.

SECTION INCLUDED: (STATISTICS FOR THAT SECTION OF PORTLAND HARBOR BELOW ROSS ISLAND BRIDGE ARE ALSO INCLUDED IN STATISTICS FOR COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG., AND STATISTICS FOR SECTION ABOVE ROSS ISLAND BRIDGE ARE ALSO INCLUDED IN STATISTICS FOR WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OREG.) CONTROLLING DEPTH: 28 FEET FROM MOUTH TO BROADWAY BRIDGE; 20 FEET AT LOW WATER ABOVE ROSS ISLAND BRIDGE TO LAKE OSWEGOO; 9 FEET TO OREGON CITY, PROJECT DEPTH: 40 FEET AT LOW WATER BELOW BROADWAY BRIDGE; 30 FEET FROM BROADWAY BRIDGE TO FOOT OF ROSS ISLAND, MAINTAINED BY PORT OF PORTLAND; 8 FEET AT LOW WATER ABOVE FOOT OF ROSS ISLAND.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1976-----	20,337,715	1,154,798	21,492,513	298	1981-----	27,233,073	391,656	27,624,729	5,790
1977-----	20,577,249	823,013	21,400,262	156	1982-----	24,681,713	487,565	25,169,278	474
1978-----	25,905,104	668,239	26,573,343	-----	1983-----	25,398,242	350,782	25,749,024	-----
1979-----	28,327,795	818,666	29,146,461	10,810	1984-----	26,653,192	649,472	27,302,664	42,884
1980-----	28,633,335	680,724	29,314,059	6,178	1985-----	21,099,073	745,770	21,844,843	81,385

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL		
		IMPORTS	EXPORTS	INTERNAL				
				RECEIPTS	SHIPMENTS			
TOTAL-----	21,844,843	2,319,737	8,567,250	2,505,761	286,166	5,313,413	1,866,083	986,405
0101 COTTON, RAW-----	258	-----	258	-----	-----	-----	-----	-----
0102 BARLEY AND RYE-----	552,312	-----	350,386	-----	-----	201,926	-----	-----
0103 CORN-----	101,656	-----	101,656	-----	-----	-----	-----	-----
0105 RICE-----	128	128	-----	-----	-----	-----	-----	-----
0106 SORGHUM GRAINS-----	209,918	-----	209,918	-----	-----	-----	-----	-----
0107 WHEAT-----	7,229,191	-----	5,370,801	-----	-----	1,817,392	4,498	36,504
0111 SOYBEANS-----	67,856	-----	67,856	-----	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	1,208	30	1,178	-----	-----	-----	-----	-----
0122 HAY AND FODDER-----	219	-----	-----	-----	-----	219	-----	-----
0129 FIELD CROPS, NEC-----	29,496	564	28,932	-----	-----	1,128	2,752	-----
0131 FRESH FRUITS-----	1,627	-----	1,627	-----	-----	-----	-----	-----
0132 BANANAS AND PLANTAINS-----	12	12	-----	-----	-----	-----	-----	-----
0133 COFFEE-----	418	416	2	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	94,741	118	93,180	-----	-----	1,443	-----	-----
0151 LIVE ANIMALS-----	711	-----	711	-----	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	3,390	388	3,082	-----	-----	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	311	260	43	-----	-----	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	1,942	1,942	-----	-----	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	380	206	174	-----	-----	-----	-----	-----

PORTLAND, OR, DISTRICT

55

PORT OF PORTLAND, OREG.--CONTINUED

FREIGHT TRAFFIC, 1965--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
0911 FRESH FISH, EXCEPT SHELLFISH	4,258	575	3,683					
0912 SHELLFISH, EXCEPT PREPARED	168	151	13					
0931 MARINE SHELLS, UNMANUFACTURED	573	41	532					
1011 IRON ORE AND CONCENTRATES	22,034		12,034				10,000	
1051 ALUMINUM ORES, CONCENTRATES	185,914	185,884	30					
1091 NONFERRUGINOUS ORES, CONCENT, NEC	9,643	3,308	6,335					
1121 COAL AND LIGNITE	61		61					
1311 CRUDE PETROLEUM	261,027	19,539		241,488				
1411 Limestone	212,203	40,703				161,500	10,000	
1412 BUILDING STONE, UNWORKED	19		19					
1442 SAND, GRAVEL, CRUSHED ROCK	2,360,042	246,857	43			1,437,021	69,335	606,836
1451 CLAY, FIRE	172,725	286	160,691				11,748	
1471 PHOSPHATE ROCK	40		40					
1491 SALT	252,131	252,131						
1499 NONMETALLIC MINERALS, NEC	20,147	760	19,379					
1911 ORNAMENT AND ACCESSORIES	15	8	7					
2011 MEAT, FRESH, CHILLED, FROZEN	6,103	40	6,063					
2012 MEAT AND PRODUCTS, NEC	81		81					
2014 TALLOW, ANIMAL FATS AND OILS	5,655		5,655					
2015 ANIMAL BY-PRODUCTS, NEC	37,749		37,749					
2021 DAIRY PRODUCTS, NEC	519	327	192					
2022 DRIED MILK AND CREAM	210		210					
2031 FISH AND SHELLFISH, PREPARED	4,306	3,185	1,121					
2032 VEGETABLES AND PREP, NEC	23,772	5,752	11,662			6,558		
2039 PREP FRUIT AND VEG JUICE, NEC	13,614	6,367	7,247					
2042 ANIMAL FEEDS	83,210		82,831				15,175	
2049 GRAIN MILL PRODUCTS, NEC	24,502	211	24,156				5,544	
2062 MOLASSES	30,686	5,751				19,391		
2081 ALCOHOLIC BEVERAGES	7,233	7,106	127					
2091 VEGETABLE OILS, MARG, SHORT	104,536	104,172	364					
2095 ICE	37	37						
2099 MISCELLANEOUS FOOD PRODUCTS	36,251	1,221	35,030					
2111 TORACCO MANUFACTURES	8		8					
2211 BASIC TEXTILE PRODUCTS	3,659	3,316	343					
2311 APPAREL	457	921	36					
2411 LOGS	487,646		480,441		474	6,276	450	
2412 PARTED LOGS	745,770					567,194	12,282	166,294
2414 TIMBER, POSTS, POLES, PILING	3,746		3,169			1,572		5
2416 WOOD CHIPS, STAVES, HOLDINGS	439,674		435,435			1,849	4,390	
2421 LUMBER	381,161	3,287	293,417		60,493	23,701	227	36
2431 VENEER, PLYWOOD, WORKED WOOD	31,729	1,669	29,612		16,556	4,162		48
2491 WOOD MANUFACTURES, NEC	31,729	809	24,539		5,451	224	274	
2511 FURNITURE AND FIXTURES	5,132	4,889	165		78			
2611 PULP	154,285		65,023			36,800	52,462	
2621 STANDARD NEWSPRINT PAPER	20,379		20,379					
2631 PAPER AND PAPERBOARD	200,152	4,955	192,666			2,032	694	
2691 PULP AND PAPER PRODUCTS, NEC	958,236	470	934		26	901,235	47,117	8,454
2711 PRINTED MATTER	1,187	1,137	50					
2810 SODIUM HYDROXIDE	95,680			12,718	82,962			
2811 CRUDE TAR, OIL, GAS PRODUCTS	15,489	3,423	4		12,062			
2812 DYES, PIGMENT, TANNING MATS	316		6		310			
2813 ALCOHOLS	63,204	63,204						
2817 BENZENE AND TOLUENE	17,281	17,209	72					
2819 BASIC CHEMICALS AND PROD, NEC	562,620	19,212	93,473	148,090	14,176		103,660	
2821 PLASTIC MATERIALS	6,056	1,739	4,317					
2822 SYNTHETIC RUBBER	66		66					
2823 SYNTHETIC (MAN-MADE) FIBERS	114	106	8					
2831 DRUGS	245	137	108					
2901 SOAP	5,110	104	5,006					
2951 PAINTS	604	490	114					
2961 GUM AND WOOD CHEMICALS	53		53					
2971 NITROGENOUS CHEM FERTILIZERS	160,034	5,000		148,826		5,164	1,044	
2972 POTASSIC CHEM FERTILIZERS	20		20					
2976 INSECTICIDES, DISINFECTANTS	406	67	339					
2979 FERTILIZER AND MATERIALS, NEC	60	37	23					
2991 MISCELLANEOUS CHEMICAL PROD	22,104	51	877	8,251	12,945			
2911 GASOLINE	1,105,226	129,128		415,948		71,379	467,050	21,725
2912 JET FUEL	77,778			58,807		3,386	19,545	
2913 KEROSENE	8		8					
2914 DISTILLATE FUEL OIL	1,403,473	36,895		536,640	61,105	34,917	488,049	42,847
2915 RESIDUAL FUEL OIL	970,414	5,404		536,806	16,354		327,367	84,683
2916 LUBRICATING OILS AND GREASES	170,411	11,709	327	154,733	1,419		2,032	192
2917 NAPHTHA, PETROLEUM SOLVENTS	12,393			3,486				8,907
2918 ASPHALT, TAR, AND PITCHES	267,690	92,139		175,146	405			
2921 LIQUEFIED GASES	11		11					
2991 PETROLEUM AND COAL PROD, NEC	53,861		90	53,771				
3011 RUBBER AND MISC PLASTIC PROD	34,870	34,086	285		499			
3111 LEATHER AND LEATHER PRODUCTS	4,762	3,819	943					
3201 BUILDING CEMENT	1,570	1,488	82					
3251 STRUCTURAL CLAY PRODUCTS	48,698	68,698						
3261 CUT STONE AND STONE PRODUCTS	4,349	4,050	299					
3291 MISC NONMETALLIC MINERAL PROD	167	162	5					
3314 IRON AND STEEL PRIMARY FORMS	5,907	1,246	1,465		2,762	174	224	14
3315 IRON, STEEL SHAPES, EXC SHEET	13,470	13,470						
3316 IRON AND STEEL PLATES, SHEETS	175,503	175,503	250		814	450		75
3317 IRON AND STEEL PIPE AND TUBE	19,264	18,518	746					
3318 FERROALLOYS	124,847	124,845	2					
3319 IRON AND STEEL PRODUCTS, NEC	17,853	13,218	4,635					
3321 NONFERRUGINOUS METALS, NEC	21,000	20,996	4					
3322 COPPER ALLOYS, UNWORKED	1,980	589	402		989			
3323 LEAD AND ZINC, UNWORKED	865	733	132					
3324 ALUMINUM AND ALLOYS, UNWORKED	1,921	1,921						
3411 FABRICATED METAL PRODUCTS	21,860	3,650	18,210					
	79,660	71,116	2,548		997	1,292		3,707

Waterborne Commerce of the United States, 1985

PORT OF PORTLAND, OREG.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	COASTWISE	INTERNAL	
				RECEIPTS	SHIPMENTS	
3511 MACHINERY, EXCEPT ELECTRICAL	42,456	36,900	4,347		382	76
3611 ELECTRICAL MACH AND EQUIP	13,946	11,307	2,639		696	
3711 MOTOR VEHICLES, PARTS, EQUIP	416,002	412,988	2,772		282	
3731 SHIPS AND BOATS	494	488	6			
3791 MISC TRANSPORTATION EQUIPMENT	347	157	190			
3811 INSTR, TIME, PHOTO, OPT GOODS	1,112	1,025	87			
3911 MISC MANUFACTURED PRODUCTS	5,829	3,225	604			
4011 IRON AND STEEL SCRAP	176,075		176,075			
4012 NONFERROUS METAL SCRAP	28,226		28,226			
4022 TEXTILE WASTE, SCRAP, SWEEP	138	40	98			
4024 PAPER WASTE AND SCRAP	51,468		51,468			
4029 WASTE AND SCRAP, NEC	19,810				4,310	9,550
4112 COMMODITIES, NEC	6,829	708	3,763	2,358		
4119 EMPTY CONTAINERS	990				42	948
9999 DEPARTMENT OF DEFENSE AND SCI	157		157			

WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OREG.

SECTION INCLUDED: WILLAMETTE RIVER FROM PORTLAND TO HARRISBURG, OREG., A DISTANCE OF 159 MILES, AND YAMHILL RIVER FROM MOUTH TO MILE 4.0. CONTROLLING DEPTH: 9 FEET FROM PORTLAND TO OREGON CITY; 3 FEET TO CORVALLIS; 4 FEET ON YAMHILL RIVER FROM MOUTH TO MILE 4.0. PROJECT DEPTH: WILLAMETTE RIVER, 8 FEET FROM PORTLAND TO OREGON CITY; 6 FEET FROM OREGON CITY TO MOUTH OF SANTIAM RIVER; 5 FEET FROM MOUTH OF SANTIAM RIVER TO ALBANY; 2.5 FEET TO 3.5 FEET FROM ALBANY TO CORVALLIS; NO DEPTHS PRESCRIBED FROM CORVALLIS TO HARRISBURG; YAMHILL RIVER, 4 FEET FROM MOUTH TO MILE 4.0.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1976	5,031,004	448,458	5,679,462	1981	3,577,405	298,997	3,876,402
1977	4,879,152	307,192	5,186,344	1982	2,444,937	304,176	2,849,113
1978	5,400,834	339,891	5,740,725	1983	2,310,753	147,085	2,457,838
1979	4,475,295	524,437	4,999,732	1984	3,263,158	327,295	3,590,453
1980	5,082,584	404,274	5,486,858	1985	3,070,802	455,275	3,526,077

* PASSENGERS--21,505.

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL	3,526,177	35,847	1,060,511	1,121,257	248,425	1,060,097
1811 LIMESTONE	98,302	18,302	80,000			
1842 SAND, GRAVEL, CRUSHED ROCK	2,419,899	17,585	827,121	498,950	237,121	838,922
1851 CLAY	49,532		5,632		500	43,400
2049 GRAIN MILL PRODUCTS, NEC	10,227		10,227			
2411 LOGS	575			575		
2412 RAFTED LOGS	455,275		24,776	240,620	4,904	175,975
2613 FUEL WOOD, CHARCOAL, WASTES	7,063			7,063		
2616 WOOD CHIPS, STAVES, MOLDINGS	248,206			248,206		
2621 LUMBER	134		134			
2691 WOOD MANUFACTURES, NEC	183		183			
2611 PULP	97,866		97,866			
2691 PULP AND PAPER PRODUCTS, NEC	132,264		4,639	125,625		
3291 MISC NONMETALLIC MINERAL PROD	133		133			
3511 MACHINERY, EXCEPT ELECTRICAL	100		100			
4029 WASTE AND SCRAP, NEC	6,700		2,300	1,700	900	1,800
TOTAL TON-MILES	16,190,681					

COOS BAY, OREG.

SECTION INCLUDED: FROM SEA TO MILLINGTON, A DISTANCE OF 17 MILES. (SAME SECTION AND STATISTICS APPLY TO PORT OF COOS BAY.) CONTROLLING DEPTH: 30 FEET IN ENTRANCE CHANNEL; 30 FEET IN INNER CHANNEL TO MILE 15; 20 FEET IN ISTHMUS SLOUGH TO MILLINGTON. PROJECT DEPTH: 45/35 FEET ON BAR AND 34 FEET FROM ENTRANCE TO MILE 15; TURNING BASINS OF SAME DEPTH OPPOSITE COALBANK SLOUGH AND AT THE CITY OF NORTH BEND; ANCHORAGE BASIN 27 FEET AT MILE 3.5 AND NEAR MILE 7; A CHANNEL 22 FEET DEEP FROM SMITH'S HILL (MILE 15) TO MILLINGTON; MOORING BASIN FOR SMALL BOATS AT CHARLESTON, WITH A CONNECTING CHANNEL 10 FEET DEEP TO DEEP WATER IN COOS BAY.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1976	5,609,089	1,506,996	7,116,085	1981	4,177,782	1,602,201	5,779,983
1977	6,326,186	1,273,235	7,599,421	1982	4,515,440	2,265,446	6,780,886
1978	5,872,721	1,191,570	7,064,291	1983	3,497,003	778,903	4,275,906
1979	5,905,174	1,145,649	7,050,823	1984	4,283,768	1,626,061	5,909,829
1980	5,517,082	1,286,884	6,803,966	1985	5,370,322	2,764,323	8,134,645

PORTLAND, OR, DISTRICT

57

COOS BAY, OREG.--CONTINUED

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	7,634,645	400	4,328,455	187,106	80,729	1,855,708	740,320	441,828
0107 WHEAT-----	20,996		20,996					
0911 FRESH FISH, EXCEPT SHELLFISH-----	8,828					8,828		
0912 SHELLFISH, EXCEPT PREPARED-----	1,205					1,205		
1442 SAND, GRAVEL, CRUSHED ROCK-----	17,948			17,948				500
2031 FISH AND SHELLFISH, PREPARED-----	20	20						
2034 VEGETABLES AND PREP, NEC-----	3		3					
2081 ALCOHOLIC BEVERAGES-----	15	15						
2099 MISCELLANEOUS FOOD PRODUCTS-----	17	11	6					
2111 TOBACCO MANUFACTURES-----	1		1					
2211 BASIC TEXTILE PRODUCTS-----	9	7	2					
2311 APPAREL-----	17	17						
2411 LOGS-----	1,529,364		1,529,364					
2412 RAFTED LOGS-----	2,264,323					1,845,675		418,648
2413 FUEL WOOD, CHARCOAL, WASTES-----	442		442					
2414 TIMBER, POSTS, POLES, PILING-----	363		363					
2416 WOOD CHIPS, STAVES, HOLDINGS-----	2,467,328		2,467,328					
2421 LUMBER-----	352,838		279,425	6,098	67,315			
2431 VENEER, PLYWOOD, WORKED WOOD-----	27,912		21,698		6,214			
2491 WOOD MANUFACTURES, NEC-----	303		303					
2511 FURNITURE AND FIXTURES-----	54	54						
2631 PAPER AND PAPERBOARD-----	4,729		4,729					
2691 PULP AND PAPER PRODUCTS, NEC-----	20		20					
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	19	19						
2819 BASIC CHEMICALS AND PROD, NEC-----	21	21						
2851 PAINTS-----	3		3					
2911 GASOLINE-----	59,402			59,402				
2912 JET FUEL-----	1,192			1,192				
2914 DISTILLATE FUEL OIL-----	66,226			66,226				
2915 RESIDUAL FUEL OIL-----	7,200				7,200			
2951 ASPHALT BUILDING MATERIALS-----	24		24					
2991 PETROLEUM AND COAL PROD, NEC-----	36,740			36,740				
3011 RUBBER AND MISC PLASTIC PROD-----	18	18						
3111 LEATHER AND LEATHER PRODUCTS-----	8	8						
3281 CUT STONE AND STONE PRODUCTS-----	20	20						
3291 MISC NONMETALLIC MINERAL PROD-----	10	10						
3311 FERROALLOYS-----	1,643		1,643					
3411 FABRICATED METAL PRODUCTS-----	177	166	11					
3511 MACHINERY, EXCEPT ELECTRICAL-----	188	16	172					
3611 ELECTRICAL MACH AND EQUIP-----	34	34						
3711 MOTOR VEHICLES, PARTS, EQUIP-----	22	22						
3911 MISC MANUFACTURED PRODUCTS-----	41	41						
4024 PAPER WASTE AND SCRAP-----	1,023		1,023					
4029 WASTE AND SCRAP, NEC-----	763,000						740,320	22,680
4112 COMMODITIES, NEC-----	899		899					
TOTAL TON-MILES, 92,826,778.								

COOS AND MILLICOMA RIVERS, OREG.

SECTION INCLUDED: MOUTH OF COOS RIVER TO ALLEGANY ON MILLICOMA RIVER (NORTH FORK), MILE 13.8 AND TO MILE 14 ON SOUTH FORK. CONTROLLING AND PROJECT DEPTHS: 5 FEET FROM MOUTH OF COOS RIVER TO ALLEGANY ON MILLICOMA RIVER AND DELLWOOD ON SOUTH FORK; THENCE 3 FEET TO MILE 14.7 ON SOUTH FORK.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1976-----	1,674,377	1981-----	1,457,784
1977-----	1,829,933	1982-----	1,956,800
1978-----	2,312,221	1983-----	637,629
1979-----	1,413,070	1984-----	1,407,450
1980-----	1,530,746	1985-----	1,845,675

FREIGHT TRAFFIC, 1985

DOMESTIC

(SHORT TONS)

COMMODITY	INTERNAL
2412 RAFTED LOGS-----	1,845,675
TOTAL TON-MILES, 12,304,300.	

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TONS MILES	PASSENGERS
PROJECT				
ALSEA BAY AND RIVER, OREG.	NO COMMERCE REPORTED			
CHETLO RIVER, GREG.	0911 FRESH FISH, EXCEPT SHELLFISH	2,105		
	0912 SHELLFISH, EXCEPT PREPARED	436		
	2421 LUMBER	25,730		
	TOTAL	28,271	28,271	
CHINOOK CHANNEL, WASH.	0911 FRESH FISH, EXCEPT SHELLFISH	1,745		
	0912 SHELLFISH, EXCEPT PREPARED	308		
	4029 WASTE AND SCRAP, NEC	150,000		
	TOTAL	152,051	152,051	
CLATSkanie RIVER, OREG.	1442 SAND, GRAVEL, CRUSHED ROCK	1,400		
	2412 RAFTED LOGS	4,121		
	TOTAL	5,521	22,084	
COLUMBIA RIVER AT BAKERS BAY, WASH.	0911 FRESH FISH, EXCEPT SHELLFISH	2,937		
	0912 SHELLFISH, EXCEPT PREPARED	2,657		
	4029 WASTE AND SCRAP, NEC	56,000		
	TOTAL	61,594	81,470	
COLUMBIA SLOUGH, OREG.	NO COMMERCE REPORTED			
COMILLE RIVER, OREG.	0911 FRESH FISH, EXCEPT SHELLFISH	5		
	2421 LUMBER	4,207		
	TOTAL	4,212	4,207	
CORLITZ RIVER, WASH.	0911 FRESH FISH, EXCEPT SHELLFISH	178		
	3511 MACHINERY, EXCEPT ELECTRICAL	375		
	4029 WASTE AND SCRAP, NEC	1,801		
	TOTAL	1,453	2,565	
DEEP RIVER, WASH.	1442 SAND, GRAVEL, CRUSHED ROCK	1,300		
	2411 LOGS	100		
	2412 RAFTED LOGS	130,020		
	2421 LUMBER	2		
	2491 WOOD MANUFACTURES, NEC	2		
	2918 ASPHALT, TAN, AND BITUMEN	856		
	3241 MISC NONMETALLIC MINERAL PROD	1		
	3511 MACHINERY, EXCEPT ELECTRICAL	11		
	4029 WASTE AND SCRAP, NEC	506		
	TOTAL	132,585	542,425	
DEPUK BAY, OREG.	0911 FRESH FISH, EXCEPT SHELLFISH	161		
	0912 SHELLFISH, EXCEPT PREPARED	42		
	TOTAL	203	203	
ELKUMIN SLOUGH, WASH.	2412 RAFTED LOGS	80,347	120,694	
GRAYS RIVER, WASH.	NO COMMERCE REPORTED			
LANE RIVER, WASH.	0102 HARLEY AND RYE	3,830		
	0125 FIELD CROPS, NEC	876		
	0141 FRESH AND FROZEN VEGETABLES	4,200		
	0911 FRESH FISH, EXCEPT SHELLFISH	18		
	2879 FERTILIZER AND MATERIALS, NEC	310		
	3511 MACHINERY, EXCEPT ELECTRICAL	2,530		
	3711 MOTOR VEHICLES, PARTS, EQUIP	1,510		
	3911 MISC MANUFACTURED PRODUCTS	125		
	TOTAL	12,494	13,013	
LEWIS RIVER, WASH.	1442 SAND, GRAVEL, CRUSHED ROCK	898		
	2412 RAFTED LOGS	97,125		
	TOTAL	97,421	232,623	
PONT OF ST. HELENS, OREG.	1442 SAND, GRAVEL, CRUSHED ROCK	898		
	1451 CLAY	100		
	2871 NITROGENOUS CHEM FERTILIZERS	708		
	2918 LUBRICATING OILS AND GREASES	103		
	3411 FABRICATED METAL PRODUCTS	50		
	3511 MACHINERY, EXCEPT ELECTRICAL	50		
	TOTAL	1,407	146	
PONT UNFORD, OREG.	0911 FRESH FISH, EXCEPT SHELLFISH	548		
	0912 SHELLFISH, EXCEPT PREPARED	212		
	TOTAL	760		
ROGUE RIVER, OREG.	0911 FRESH FISH, EXCEPT SHELLFISH	112		
	0912 SHELLFISH, EXCEPT PREPARED	9		
	TOTAL	127	63,486	
SIBOLAN RIVER, OREG.	0911 FRESH FISH, EXCEPT SHELLFISH	16		
	0912 SHELLFISH, EXCEPT PREPARED	10		
	1442 SAND, GRAVEL, CRUSHED ROCK	1,000		
	2412 RAFTED LOGS	25,250		
	TOTAL	26,265	294,092	

PORTLAND, OR, DISTRICT

59

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TONS MILES	PASSENGERS
PROJECT--CONTINUED				
SKAMOKAWA (STEAMBOAT) SLUGG, WASH.,-----	NO COMMERCE REPORTED			
SKAMOKAWA CREEK, WASH.,-----	NO COMMERCE REPORTED			
SKIPANON CHANNEL, OREG.,-----	2412 RAFTED LOGS-----	56,289		
	2413 PULP WOOD, CHARCOAL, WASTES-----	430		
	2416 WOOD CHIPS, STAVES, PLODINGS-----	57,585		
	2421 LUMBER-----	31,844		
	TOTAL-----	146,156	146,156	
SMITH RIVER, OREG.,-----	1442 SAND, GRAVEL, CRUSHED ROCK-----	8,182		
	2412 RAFTED LOGS-----	15,525		
	TOTAL-----	23,707	433,230	
TILLAMOOK BAY AND BAY, OREG.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	585		
	0912 SHELLFISH, EXCEPT PREPARED-----	780		
	TOTAL-----	1,371	10,908	
UMPUJA RIVER, OREG.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	502		
	0912 SHELLFISH, EXCEPT PREPARED-----	200		
	1442 SAND, GRAVEL, CRUSHED ROCK-----	181,339		
	2412 RAFTED LOGS-----	14,725		
	2421 LUMBER-----	13,250		
	2991 PETROLEUM AND LUAL WOOD, NEC-----	7,000		
	4029 WASTE AND SCRAP, NEC-----	21,000		
	TOTAL-----	243,364	2,443,439	
WESTPORT SLUGG, OREG.,-----				20,842
YACUINA BAY AND RABON, OREG.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	10,008		
	0912 SHELLFISH, EXCEPT PREPARED-----	2,884		
	2411 LOGS-----	128,294		
	2421 LUMBER-----	71,289		
	4112 COMMODITIES, NEC-----	67		
	TOTAL-----	211,442	472,672	
YACUINA RIVER, OREG.,-----	2421 LUMBER-----	25,194	251,440	
YOUNGS BAY AND YOUNGS RIVER, OREG.,-----	0107 WHEAT-----	10,219		
	2412 RAFTED LOGS-----	231,849		
	TOTAL-----	242,068	1,107,872	

SEATTLE, WA, DISTRICT

GRAYS HARBOR AND CHEHALIS RIVER, WASH.

SECTION INCLUDED: GRAYS HARBOR BAR CHANNEL AND CHEHALIS RIVER TO COSMOPOLIS AND EXTENDING TO SIMPSON AVENUE BRIDGE ON THE HOQUIAM RIVER AND THE SCHAFER BROS. WHARF AT MONTESANO ON THE CHEHALIS RIVER. CONTROLLING DEPTH: BAR CHANNEL, 37.8 FEET; 26.0 FEET FROM DEEP WATER IN LOWER HARBOR TO UPPER CROSS-OVER; 27.0 FEET FROM UPPER CROSS-OVER TO COW POINT; 25.3 FEET FROM COW POINT TO COSMOPOLIS; TURNING BASIN JUST DOWNSTREAM OF U.P.R.R. BRIDGE, 23.9 FEET; TURNING BASIN NEAR COSMOPOLIS, 10.9 FEET. 5.5 FEET FROM COSMOPOLIS TO MONTESANO; BAY CITY CHANNEL, 9.1 FEET; WESTHAVEN CHANNEL, 14.3 FEET NORTH ENTRANCE, 13.7 FEET SOUTH ENTRANCE. PROJECT DEPTH: 30 FEET EXTENDING THROUGH THE BAR CHANNEL TO COSMOPOLIS; BAY 16 FEET TO MONTESANO; BAY CITY CHANNEL, 14 FEET; WESTHAVEN CHANNEL, 16 FEET. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1976	3,024,261	118,365	3,142,626	1981	3,160,804	-----	3,160,804
1977	2,558,704	87,488	2,646,192	1982	3,267,680	4,905	3,272,635
1978	3,081,953	-----	3,081,953	1983	3,552,709	11,903	3,564,702
1979	5,005,916	124,827	5,130,743	1984	3,378,268	-----	3,378,268
1980	3,240,061	8,899	3,248,960	1985	6,355,861	-----	6,355,861

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	SHIPMENTS	RECEIPTS	
TOTAL	6,355,861	120	3,522,503	78,100	8,555	2,746,543
0911 FRESH FISH, EXCEPT SHELLFISH	5,297	-----	-----	-----	5,297	-----
0912 SHELLFISH, EXCEPT PREPARED	3,258	-----	-----	-----	3,258	-----
1442 SAND, GRAVEL, CRUSHED ROCK	675,500	-----	-----	-----	-----	675,500
2311 APPAREL	5	5	-----	-----	-----	-----
2411 LOGS	3,520,112	-----	3,520,112	-----	-----	-----
2416 WOOD CHIPS, STAVES, MOLDINGS	8,400	-----	-----	8,400	-----	-----
2421 LUMBER	58,056	-----	2,049	56,007	-----	-----
2491 WOOD MANUFACTURES, NEC	14	14	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES	6	6	-----	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS	1	-----	1	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC	281	-----	281	-----	-----	-----
2821 PLASTIC MATERIALS	10	-----	10	-----	-----	-----
2822 SYNTHETIC RUBBER	11	-----	11	-----	-----	-----
2861 GUM AND WOOD CHEMICALS	13,693	-----	-----	13,693	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD	37	-----	37	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD	21	21	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET	69	69	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL	5	5	2	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP	1	1	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS	1	1	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC	2,071,083	-----	-----	-----	-----	2,071,083
TOTAL TON-MILES	113,878,291	-----	-----	-----	-----	-----

PORT ANGELES HARBOR, WASH.

SECTION INCLUDED: ENTIRE HARBOR FROM RAYONIER, INC. WHARF WESTWARD. CONTROLLING DEPTH: UNLIMITED EXCEPT FOR 25 FEET NEAR RAYONIER, INC. WHARF. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1976	3,350,214	191,254	3,281,468	1981	1,795,068	179,915	1,974,983
1977	2,854,789	428,223	3,283,012	1982	1,738,660	77,825	1,816,485
1978	4,029,194	838,891	4,868,085	1983	1,928,533	157,325	2,085,858
1979	3,969,021	1,875,249	5,844,270	1984	2,621,980	120,752	2,742,732
1980	3,572,160	705,537	4,277,697	1985	2,699,268	227,510	2,926,807

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL	2,926,807	169,879	2,111,977	345,098	206,942	93,391
0103 CORN	30	-----	30	-----	-----	-----
0129 FIELD CROPS, NEC	11	-----	11	-----	-----	-----
0131 FRESH FRUITS	516	-----	516	-----	-----	-----
0132 BANANAS AND PLANTAINS	511	-----	511	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES	699	-----	699	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH	1,181	21	8	1,152	-----	-----
0912 SHELLFISH, EXCEPT PREPARED	148	-----	-----	148	-----	-----

SEATTLE, WA, DISTRICT

61

PORT ANGELES HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
1411 LIMESTONE-----	21,281	4,505	16,776	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	42,561	27,756	-----	14,805	-----	-----
1451 CLAY-----	23	-----	23	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	121	-----	121	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	336	-----	336	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	18	-----	18	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	37	-----	37	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	171	-----	171	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	28	-----	28	-----	-----	-----
2042 ANIMAL FEEDS-----	42	-----	42	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	2	-----	2	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	11	-----	11	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	22	-----	22	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	24	22	2	-----	-----	-----
2311 APPAREL-----	3	3	-----	-----	-----	-----
2411 LOGS-----	1,925,785	1,856	1,923,929	-----	-----	-----
2412 RAFTED LOGS-----	227,519	-----	-----	20,061	187,662	19,796
2413 FUEL WOOD, CHARCOAL, WASTES-----	2,360	1,052	-----	1,312	-----	-----
2416 WOOD CHIPS, STAVES, HOLDINGS-----	274,879	99,183	132,287	-----	12,753	30,656
2421 LUMBER-----	3,426	2,452	974	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	611	450	161	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	27	21	6	-----	-----	-----
2611 PULP-----	29,667	12,992	13,669	1,300	1,706	-----
2621 STANDARD NEWSPRINT PAPER-----	64	64	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	23	-----	23	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	6	-----	6	-----	-----	-----
2810 SODIUM HYDROXIDE-----	40,727	-----	-----	40,727	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	3,509	3,509	-----	-----	-----	-----
2821 PLASTIC MATERIALS-----	1	-----	1	-----	-----	-----
2831 DRUGS-----	2	-----	2	-----	-----	-----
2841 SOAP-----	1	-----	1	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	10,945	-----	5	10,940	-----	-----
2911 GASOLINE-----	6,799	-----	-----	6,799	-----	-----
2912 JET FUEL-----	143	-----	143	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	88,341	595	17,293	45,227	4,306	920
2915 RESIDUAL FUEL OIL-----	258,622	13,128	1,435	202,354	-----	41,703
2916 LUBRICATING OILS AND GREASES-----	1,253	-----	703	234	-----	316
3011 RUBBER AND MISC PLASTIC PROD-----	178	13	165	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	1	-----	1	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	25	25	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	1	1	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	4	-----	4	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	19	-----	19	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	171	1	170	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	972	14	444	35	35	-----
3611 ELECTRICAL MACH AND EQUIP-----	22	7	15	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	313	-----	313	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	2	1	1	-----	-----	-----
40 34 AND STEEL SCRAP-----	2,223	2,204	19	-----	-----	-----
40 40 FERROUS METAL SCRAP-----	20	-----	20	-----	-----	-----
4021 STEEL WASTE, SCRAP, SHEEP-----	3	-----	3	-----	-----	-----
4112 COMMODITIES, NEC-----	363	-----	363	-----	-----	-----

PORT TOWNSEND HARBOR, WASH.

SECTION INCLUDED: POINT WILSON ON THE NORTH TO IRONDALE ON THE SOUTH. CONTROLLING DEPTHS: CHANNEL FROM DEEP WATER TO BOAT BASIN, 8.9 FEET; OUTER PORTION OF ENTRANCE CHANNEL IN BOAT BASIN, 11.0 FEET; INNER PORTION OF ENTRANCE CHANNEL IN BOAT BASIN, 11.8 FEET; PROJECT DEPTHS: 10 AND 12 FEET MLLW IN THE INNER AND OUTER SECTIONS OF THE MOORING BASIN, RESPECTIVELY.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1976-----	1,223,594	-----	1,223,594	163,994	1981-----	663,937	-----	663,937	296,302
1977-----	1,262,736	-----	1,262,736	180,530	1982-----	764,139	-----	764,139	468,286
1978-----	680,737	-----	680,737	200,734	1983-----	558,213	1,050	559,263	303,165
1979-----	534,061	-----	534,061	739,362	1984-----	689,160	-----	689,160	520,145
1980-----	701,267	-----	701,267	254,672	1985-----	498,869	-----	498,869	516,465

ADDITIONAL TRAFFIC

YEAR	TONS	CAR FERRY- RAILROAD CARR			GENERAL FERRY		YEAR	TONS	CAR FERRY- RAILROAD CARR			GENERAL FERRY	
		EMPTY	LOADED	TOTAL	VEHICLES	PASSENGERS			EMPTY	LOADED	TOTAL	VEHICLES	PASSENGERS
1976-----	**	-----	-----	*	118,250	163,994	1981-----	**	-----	-----	*	216,952	296,302
1977-----	**	-----	-----	*	132,986	180,530	1982-----	**	-----	-----	*	202,248	468,286
1978-----	**	-----	-----	*	150,666	200,734	1983-----	**	-----	-----	*	211,015	303,165
1979-----	**	-----	-----	*	555,443	739,362	1984-----	**	-----	-----	*	219,371	520,145
1980-----	**	-----	-----	*	200,784	254,672	1985-----	**	-----	-----	*	225,886	516,465

* CARGO REPORTED AS FREIGHT TRAFFIC.
** NOT REPORTED.

PORT TOWNSEND HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	RECEIPTS	LOCAL
TOTAL-----	498,869	233,660	20,636	244,473	100
0151 LIVE ANIMALS-----	2	2			
0911 FRESH FISH, EXCEPT SHELLFISH-----	219			219	
0912 SHELLFISH, EXCEPT PREPARED-----	241			241	
1011 IRON ORE AND CONCENTRATES-----	1,824	1,824			
1442 SAND, GRAVEL, CRUSHED ROCK-----	6,698	6,698			
2413 FUEL WOOD, CHARCOAL, WASTES-----	95,900	54,750		37,040	100
2416 WOOD CHIPS, STAVES, HOLDINGS-----	284,599	166,196	1,800	116,603	
2421 LUMBER-----	190	190			
2611 PULP-----	16,661		16,661		
2631 PAPER AND PAPERBOARD-----	1,651		1,651		
2819 BASIC CHEMICALS AND PROD, NEC-----	9				
2861 GUM AND WOOD CHEMICALS-----	66,190			66,190	
2891 MISCELLANEOUS CHEMICAL PROD-----	470		470		
2911 GASOLINE-----	2,209			2,209	
2914 DISTILLATE FUEL OIL-----	3,677			3,677	
2915 RESIDUAL FUEL OIL-----	18,230			18,230	
2916 LUBRICATING OILS AND GREASES-----	54			54	
3511 MACHINERY, EXCEPT ELECTRICAL-----	23		23		
3811 INSTR, TIME, PHOTO, OPT GOODS-----	2				
4022 TEXTILE WASTE, SCRAP, SHEEP-----	20		20		

PORT GAMBLE HARBOR, WASH.

SECTION INCLUDED: ENTRANCE CHANNEL AND PORT GAMBLE HARBOR. CONTROLLING DEPTH: 26.0 FEET AT MLLW. PROJECT DEPTH: 28 FEET AT MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1976-----	432,122	108,831	540,953	1981-----	373,476	279,277	652,753
1977-----	418,617	102,402	521,019	1982-----	303,446	228,420	532,276
1978-----	293,551	208,964	502,515	1983-----	328,379	247,457	575,837
1979-----	190,235	221,242	411,527	1984-----	358,066	419,191	777,457
1980-----	363,684	251,367	615,244	1985-----	390,143	273,129	663,312

FREIGHT TRAFFIC, 1985

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL	
		SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	663,312	170,003	269,370	223,939	
1442 SAND, GRAVEL, CRUSHED ROCK-----	6,200		5,900	300	
2412 RAFTED LOGS-----	273,129		263,270	9,859	
2413 FUEL WOOD, CHARCOAL, WASTES-----	52,178			52,178	
2416 WOOD CHIPS, STAVES, HOLDINGS-----	134,658			134,658	
2421 LUMBER-----	186,747	163,403		22,944	
2891 PETROLEUM AND COAL PROD, NEC-----	5,200	6,200			
3811 FABRICATED METAL PRODUCTS-----	200			200	

HAMMERSLEY INLET, WASH.

SECTION INCLUDED: INLET CONNECTING PUGET SOUND WITH SHELTON HARBOR, A DISTANCE OF ABOUT 7 MILES. CONTROLLING DEPTH: 8.4 FEET. PROJECT DEPTH: 13 FEET. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1976-----	335,490	97,951	433,445	1981-----	227,306	441,009	1,109,215
1977-----	338,478	735,303	1,073,781	1982-----	221,413	749,020	1,010,433
1978-----	302,539	902,946	1,205,535	1983-----	228,339	447,582	1,075,921
1979-----	149,242	886,802	1,036,044	1984-----	193,706	407,975	1,001,641
1980-----	211,633	935,565	1,147,198	1985-----	148,564	352,894	501,458

SEATTLE, WA, DISTRICT

63

HAMMERLEY INLET, WASH.--CONTINUED

FREIGHT TRAFFIC, 1985

DOMESTIC
(SHORT TONS)

COMMODITY	TOTAL	INTERNAL	
		INBOUND	OUTBOUND
TOTAL-----	501,458	8,542	492,916
0911 FRESH FISH, EXCEPT SHELLFISH-----	125	125	-----
0912 SHELLFISH, EXCEPT PREPARED-----	1,670	1,670	-----
2412 RAFTED LOGS-----	352,894	6,747	346,147
2416 WOOD CHIPS, STAVES, MOLDINGS-----	146,769	-----	146,769

OLYMPIA HARBOR, WASH.

SECTION INCLUDED: THAT PORTION OF BUDD INLET SOUTH AND WEST OF PRIEST POINT AND GENERALLY WITHIN THE CITY LIMITS OF OLYMPIA. CONTROLLING DEPTH: 29.7 FEET IN OUTER CHANNEL, 31.3 FEET IN ENTRANCE CHANNEL AND 26.4 FEET IN TURNING BASIN. PROJECT DEPTH: 30 FEET. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1976-----	119,400	80,755	200,155	1981-----	361,974	461,346	823,320
1977-----	446,594	49,664	536,458	1982-----	388,241	106,179	494,420
1978-----	566,001	303,489	869,490	1983-----	236,832	178,499	415,331
1979-----	607,642	186,184	793,830	1984-----	503,192	318,397	821,589
1980-----	589,687	131,312	720,999	1985-----	479,033	126,550	605,583

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	605,583	10,551	447,064	66,622	45,415	15,931
0107 WHEAT-----	4,887	-----	4,887	-----	-----	-----
0108 FRESH AND FROZEN VEGETABLES-----	1,480	-----	1,480	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	234	-----	-----	234	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	378	-----	-----	378	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	3,404	3,404	-----	-----	-----	-----
1402 SAND, GRAVEL, CRUSHED ROCK-----	800	-----	-----	800	-----	-----
1409 NONMETALLIC MINERALS, NEC-----	20	-----	20	-----	-----	-----
2042 ANIMAL FEEDS-----	11	11	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	1	-----	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	29	29	-----	-----	-----	-----
2511 APPAREL-----	290	290	-----	-----	-----	-----
2411 LOGS-----	440,677	-----	440,677	-----	-----	-----
2412 RAFTED LOGS-----	126,550	-----	-----	65,264	45,355	15,931
2414 TIMBER, POSTS, POLES, PILING-----	110	-----	-----	50	60	-----
2421 LUMBER-----	29	29	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	10	10	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	758	-----	-----	758	-----	-----
2915 RESIDUAL FUEL OIL-----	13,938	-----	-----	13,938	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	26	26	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	5,200	-----	-----	5,200	-----	-----
3311 PIG IRON-----	2,621	2,621	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	3,043	3,043	-----	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	617	617	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	292	292	-----	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	91	91	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	70	70	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	17	17	-----	-----	-----	-----

TACOMA HARBOR, WASH.

SECTION INCLUDED: ALL OF COMMENCEMENT BAY AND TRIBUTARY WATERWAYS EAST OF A LINE EXTENDING FROM BROWN POINT TO AND INCLUDING THE WHARVES OF THE TACOMA SMELTER. CONTROLLING DEPTH: CITY WATERWAY, 28.9 TO 16.2 FEET; HYLEROS WATERWAY, 23.4 FEET; LEAST DEPTH IN TURNING BASIN 29.2 FEET; BLAIR (PORT INDUSTRIAL WATERWAY), 32.8 FEET. PROJECT DEPTH: CITY WATERWAY, 29 TO 19 FEET; HYLEROS WATERWAY, 30 FEET; BLAIR (PORT INDUSTRIAL WATERWAY), 30 TO 35 FEET. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1976-----	10,041,375	186,089	10,227,464	194,536	1981-----	14,194,501	976,263	15,170,764	193,906
1977-----	10,381,037	318,300	10,699,337	191,759	1982-----	12,168,292	1,078,657	13,246,950	432,550
1978-----	12,388,337	695,617	13,083,954	179,265	1983-----	13,270,172	1,188,202	14,458,374	226,406
1979-----	14,280,941	911,609	15,192,550	184,909	1984-----	16,062,681	1,320,544	17,383,225	472,546
1980-----	15,879,548	1,282,662	17,162,210	175,592	1985-----	14,703,611	1,090,921	15,794,532	492,964

TACOMA HARBOR, WASH.--CONTINUED

ADDITIONAL TRAFFIC

YEAR	TONS	CAR FERRY- RAILROAD CARS		GENERAL FERRY		YEAR	TONS	CAR FERRY- RAILROAD CARS		GENERAL FERRY	
		EMPTY	LOADED	*VEHICLES	PASSENGERS			EMPTY	LOADED	*VEHICLES	PASSENGERS
1976	8	-----	-----	162,660	194,536	1981	8	-----	-----	228,408	193,906
1977	8	-----	-----	177,940	191,759	1982	8	-----	-----	211,440	432,550
1978	8	-----	-----	206,306	179,265	1983	8	-----	-----	222,278	226,404
1979	8	-----	-----	221,609	184,909	1984	8	-----	-----	233,522	472,546
1980	8	-----	-----	200,840	175,592	1985	8	-----	-----	262,242	492,060

* INCLUDES AUTOMOBILES, TRUCKS, AND TRAILERS.
 ** CARGO REPORTED AS FREIGHT TRAFFIC.
 # NOT REPORTED.

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL	15,794,532	2,873,632	6,906,911	1,917,389	1,010,045	1,764,697	848,932	472,926
0101 COTTON, RAW	2,372	-----	2,372	-----	-----	-----	-----	-----
0102 BARLEY AND RYE	430	430	-----	-----	-----	-----	-----	-----
0103 CORN	2,668,502	-----	2,668,782	-----	4,720	-----	-----	-----
0104 OATS	12,732	12,732	-----	-----	-----	-----	-----	-----
0105 RICE	1,005	924	58	-----	23	-----	-----	-----
0106 BORGHUM GRAINS	156,154	-----	156,154	-----	-----	-----	-----	-----
0107 WHEAT	218,749	-----	218,749	-----	-----	-----	-----	-----
0111 SOYBEANS	279,171	-----	279,171	-----	-----	-----	-----	-----
0119 OILSEEDS, NEC	614	19	595	-----	-----	-----	-----	-----
0121 TOBACCO, LEAF	582	-----	582	-----	-----	-----	-----	-----
0122 HAY AND FODDER	12	-----	-----	-----	12	-----	-----	-----
0129 FIELD CROPS, NEC	1,972	683	1,289	-----	-----	-----	-----	-----
0131 FRESH FRUITS	63,420	4,840	40,896	-----	17,684	-----	-----	-----
0132 BANANAS AND PLANTAINS	2,974	310	-----	-----	2,664	-----	-----	-----
0133 COFFEE	3,836	1,785	51	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES	47,120	1,725	27,648	-----	17,747	-----	-----	-----
0151 LIVE ANIMALS	29	8	-----	-----	21	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC	3,055	510	241	-----	2,296	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS	141	121	20	-----	-----	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS	116,750	116,734	16	-----	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC	1,699	549	148	-----	1,002	-----	-----	-----
0911 FRESH FISH, EXCEPT SMELFISH	17,775	1,344	15,223	-----	45	1,163	-----	-----
0912 SMELFISH, EXCEPT PREPARED	4,041	1,315	581	-----	21	2,164	-----	-----
0931 MARINE SHELLS, UNMANUFACTURED	243	28	215	-----	-----	-----	-----	-----
1021 COPPER ORE AND CONCENTRATES	5,426	5,426	-----	-----	-----	-----	-----	-----
1051 ALUMINUM ORES, CONCENTRATES	363,126	363,118	8	-----	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC	17,320	17,241	79	-----	-----	-----	-----	-----
1121 COAL AND LIGNITE	24	-----	24	-----	-----	-----	-----	-----
1311 CRUDE PETROLEUM	1,731,148	18,208	-----	1,701,708	-----	-----	9,842	1,160
1411 LIMESTONE	89,648	89,648	-----	-----	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK	602,249	17,293	5,554	-----	25	578,573	400	-----
1451 CLAY	5,206	76	5,485	-----	645	-----	-----	-----
1491 SALT	482,126	416,377	25,500	-----	249	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS	242,385	242,247	138	-----	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC	5,736	12	4,961	-----	763	-----	-----	-----
1911 ORDNANCE AND ACCESSORIES	69	57	12	-----	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN	38,850	19,606	6,475	-----	12,769	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC	2,272	1,962	310	-----	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS	49,107	-----	49,107	-----	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC	1,595	231	1,364	-----	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC	36,846	106	257	-----	36,483	-----	-----	-----
2022 DRIED MILK AND CREAM	3,182	30	3,143	-----	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED	28,940	3,710	6,439	18,207	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC	4,950	3,819	977	-----	154	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC	32,110	30,379	1,711	-----	20	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA	453	-----	401	-----	12	-----	-----	-----
2042 ANIMAL FEEDS	36,267	138	35,492	-----	237	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC	17,627	562	17,265	-----	-----	-----	-----	-----
2061 SUGAR	62	40	22	-----	-----	-----	-----	-----
2062 MOLASSES	66	-----	-----	-----	66	-----	-----	-----
2081 ALCOHOLIC BEVERAGES	11,348	4,131	1,570	151	5,496	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT	1,200	9	1,176	-----	15	-----	-----	-----
2092 ANIMAL OILS AND FATS, NEC	27	27	-----	-----	-----	-----	-----	-----
2094 GROCERIES	133,918	-----	-----	15	133,903	-----	-----	-----
2095 ICE	341	300	-----	-----	41	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS	50,479	7,370	8,774	-----	34,735	-----	-----	-----
2111 TOBACCO MANUFACTURES	4,278	3	3,047	-----	1,228	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS	33,479	31,969	1,326	-----	164	-----	-----	-----
2212 TEXTILE FIBERS, NEC	67	4	-----	-----	63	-----	-----	-----
2311 APPAREL	65,488	-----	71	-----	122	-----	-----	-----
2411 LOGS	1,934,154	2,791	1,931,363	-----	-----	-----	-----	-----
2412 RAFTED LOGS	1,090,921	-----	-----	-----	670,976	224,421	191,024	-----
2413 FUEL WOOD, CHARCOAL, WASTES	2,437	2,214	65	-----	154	-----	-----	-----
2414 TIMBER, POSTS, POLES, PILING	807	2	405	-----	280	60	60	-----
2416 WOOD CHIPS, STAVES, MOLDINGS	727,394	148,936	415,473	3,990	-----	158,995	-----	-----
2421 LUMBER	250,331	7,407	226,493	77	16,154	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD	8,929	7,806	931	-----	192	-----	-----	-----
2491 WOOD MANUFACTURES, NEC	21,773	9,590	1,110	221	10,452	-----	-----	-----
2511 FURNITURE AND FIXTURES	46,182	30,711	601	6,858	8,012	-----	-----	-----
2611 PULP	106,478	1,841	104,637	-----	-----	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER	37,750	1,669	35,242	-----	2,818	-----	-----	-----
2631 PAPER AND PAPERBOARD	48,941	702	48,209	-----	30	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC	10,330	2,547	1,575	-----	6,208	-----	-----	-----

SEATTLE, WA, DISTRICT

65

TACOMA HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1965--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2711 PRINTED MATTER-----	4,920	4,576	265	-----	79	-----	-----	-----
2810 SODIUM HYDROXIDE-----	222,256	-----	-----	-----	104,579	-----	115,659	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	450	442	8	-----	-----	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	72	-----	72	-----	-----	-----	-----	-----
2813 ALCOHOLS-----	175	27	108	-----	40	-----	-----	-----
2817 BENZENE AND TOLUENE-----	1	-----	1	-----	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	119,212	7,455	105,926	-----	5,831	-----	-----	-----
2821 PLASTIC MATERIALS-----	38,219	16,265	21,837	-----	117	-----	-----	-----
2822 SYNTHETIC RUBBERS-----	3,233	-----	3,193	20	20	-----	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	1,356	349	975	-----	32	-----	-----	-----
2831 DRUGS-----	886	453	433	-----	-----	-----	-----	-----
2841 SOAP-----	8,383	104	7,291	-----	898	-----	-----	-----
2851 PAINTS-----	5,154	4,412	338	-----	404	-----	-----	-----
2861 GUM AND ROOD CHEMICALS-----	46,910	-----	402	-----	-----	37,465	2,261	6,782
2871 NITROGENOUS CHEM FERTILIZERS-----	135	-----	14	-----	-----	121	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	1,070	27	1,043	-----	-----	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	307	-----	235	-----	72	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	47,079	11,722	2,037	-----	7,210	-----	26,110	-----
2911 GASOLINE-----	350,410	127,462	-----	95,419	106,597	14,902	4,952	1,078
2912 JET FUEL-----	122,187	-----	-----	4,560	8,952	55,467	53,045	143
2914 DISTILLATE FUEL OIL-----	270,493	42,630	-----	13,828	126,480	54,769	25,291	7,495
2915 RESIDUAL FUEL OIL-----	444,627	5,608	-----	16,039	77,558	123,134	359,116	265,172
2916 LUBRICATING OILS AND GREASES-----	5,265	47	1,211	-----	3,705	109	61	52
2917 NAPHTHA, PETROLEUM SOLVENTS-----	243	-----	218	-----	25	-----	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	23,852	6,950	3	-----	16,899	-----	-----	-----
2921 LIQUEFIED GASES-----	156	-----	1	-----	155	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	24	-----	5	-----	19	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	30,371	-----	98	-----	23,073	7,200	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	49,653	36,003	1,481	9,594	2,575	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	31,084	29,454	1,513	-----	117	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	4,293	3,346	485	-----	462	-----	-----	-----
3241 PORTLAND CEMENT-----	227	-----	-----	-----	227	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	3,304	2,536	717	-----	51	-----	-----	-----
3271 LIME-----	70	-----	-----	-----	70	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	463	450	3	-----	10	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	69,421	23,744	11,937	-----	21,090	-----	12,650	-----
3312 SLAG-----	15,494	11,600	-----	-----	-----	-----	3,894	-----
3314 IRON AND STEEL PRIMARY FORMS-----	836	8	-----	-----	832	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	26,066	24,216	118	-----	1,582	-----	150	-----
3316 IRON AND STEEL PLATES, SHEETS-----	355	-----	322	-----	33	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	18,358	6,474	100	1,232	10,332	-----	-----	-----
3318 FERRALLOYS-----	14,078	13,828	250	-----	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	858	703	151	-----	4	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	3,512	2,337	1,129	-----	46	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	7,124	4,895	2,231	-----	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	9,432	1,262	6,170	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	55,163	12,504	42,659	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	133,308	105,768	3,699	444	25,197	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	109,820	70,466	15,207	8,715	15,340	100	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	177,454	172,653	3,851	2	448	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	258,879	247,579	2,665	5,941	2,694	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	121	70	42	-----	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	3,572	2,219	1,206	14	133	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	1,053	501	320	-----	432	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	15,638	12,109	3,494	-----	35	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	56,330	55,022	730	-----	539	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	344,046	72,528	270,106	1,412	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	16,636	320	18,312	-----	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SNEEP-----	625	19	606	-----	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	15,917	-----	15,917	-----	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	65,600	-----	-----	-----	59,600	-----	6,000	-----
4112 COMMODITIES, NEC-----	185,335	32,203	3,055	27,011	123,066	-----	-----	-----
4119 EMPTY CONTAINERS-----	4,743	-----	-----	1,693	3,050	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	34	-----	34	-----	-----	-----	-----	-----

SEATTLE HARBOR, WASH.

SECTION INCLUDED: FROM UNION OIL DOCK NEAR EDMONDS ON THE NORTH TO FAUNTLEROY FERRY SLIP ON THE SOUTH, INCLUDING ELLIOTT BAY, EAST, WEST, AND DUNAMISH WATERWAY, LAKE WASHINGTON SHIP CANAL, SALMON BAY, LAKE UNION, LAKE WASHINGTON, AND KENMORE NAVIGATION CHANNEL. CONTROLLING DEPTHS: ELLIOTT BAY, UNLIMITED; WEST WATERWAY, 29.1 FEET; EAST WATERWAY, 31.2 FEET; DUNAMISH WATERWAY, 18.2 FEET FROM HEAD OF WEST WATERWAY TO 1ST AVENUE SO., 11.0 FEET FROM 1ST AVENUE SO. TO 14TH AVENUE SO., 8.5 FEET FROM 14TH AVENUE SO. TO HEAD OF WATERWAY; LAKE WASHINGTON SHIP CANAL, 29.2 FEET BELOW LOCKS; ABOVE THE LOCKS 26.1 FEET; KENMORE NAVIGATION CHANNEL, 13.7 FEET. PROJECT DEPTHS: ELLIOTT BAY, UNLIMITED; EAST AND WEST WATERWAYS, 34 FEET; DUNAMISH WATERWAY, 30 FEET TO FIRST AVENUE SOUTH; 20 FEET TO 8TH AVENUE SOUTH; AND 15 FEET FROM 8TH AVENUE SOUTH TO HEAD OF WATERWAY; LAKE WASHINGTON SHIP CANAL, 34 FEET BELOW LOCKS; 30 FEET AT LOWER POOL LEVEL, KENMORE NAVIGATION CHANNEL, 15 FEET. ALL DEPTHS REFER TO MLLW EXCEPT INSIDE LAKE WASHINGTON SHIP CANAL WHICH REFLECTS LOW LAKE LEVEL.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1976-----	16,319,829	458,061	16,777,890	5,648,639	1981-----	20,320,142	194,412	20,514,554	6,948,579
1977-----	16,080,656	352,220	16,432,876	6,051,503	1982-----	17,688,117	117,051	17,805,168	10,071,587
1978-----	22,137,870	343,795	22,481,665	6,540,219	1983-----	17,467,937	115,873	17,583,810	6,577,348
1979-----	19,791,540	246,890	20,038,430	6,290,453	1984-----	20,269,324	58,558	20,327,874	12,547,418
1980-----	21,106,410	182,428	21,288,838	6,899,602	1985-----	16,026,992	203,021	16,230,013	14,708,012

SEATTLE HARBOR, WASH.--CONTINUED

ADDITIONAL TRAFFIC

YEAR	TONS	CAR FERRY- RAILROAD CARS			GENERAL FERRY		YEAR	TONS	CAR FERRY- RAILROAD CARS			GENERAL FERRY	
		EMPTY	LOADED	TOTAL	VEHICLES	PASSENGERS			EMPTY	LOADED	TOTAL	VEHICLES	PASSENGERS
1976	3,024,735	5,648,639	1981	..	.....	.....	.....	1,485,863	6,944,579
1977	3,379,812	6,051,503	1982	..	.....	.....	.....	3,431,350	10,071,587
1978	3,704,037	6,540,219	1983	..	133	.....	133	3,473,165	6,577,348
1979	4,566,263	6,290,453	1984	..	.....	.....	.....	4,727,421	12,543,414
1980	3,771,474	6,899,602	1985	..	.....	.....	.....	5,909,144	14,706,012

* INCLUDES AUTOMOBILES, TRUCKS, AND TRAILERS.
 ** NOT REPORTED.

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
TOTAL	16,230,013	5,031,927	3,571,564	1,258,952	1,697,478	2,694,069	1,241,967	734,056
0101 COTTON, RAW	58,697	19	58,678					
0102 BARLEY AND RYE	3,785	897	2,888					
0103 CORN	434,049		434,049					
0104 OATS	705		665		40			
0105 RICE	5,063	4,850	213					
0106 SORGHUM GRAINS	101,678		101,678					
0107 WHEAT	184,166		184,166					
0111 SOYBEANS	92,389	29	92,360					
0119 OILSEEDS, NEC	1,422	80	1,342					
0121 TOBACCO, LEAF	521		521					
0122 HAY AND FODDER	621				621			
0129 FIELD CROPS, NEC	23,252	1,218	22,034					
0131 FRESH FRUITS	125,381	18,674	104,703	50	1,950			
0132 BANANAS AND PLANTAINS	24	24						
0133 COFFEE	3,917	3,790	94	29				
0134 COCOA BEANS	39	2	37					
0141 FRESH AND FROZEN VEGETABLES	143,864	2,954	134,206	94	6,611			
0151 LIVE ANIMALS	1	1						
0161 ANIMALS AND PRODUCTS, NEC	5,717	1,831	3,886					
0191 MISCELLANEOUS FARM PRODUCTS	2,294	942	313		1,041			
0841 CRUDE RUBBER AND ALLIED GUMS	657		657					
0861 FOREST PRODUCTS, NEC	3,191	1,310	824		1,057			
0911 FISH, EXCEPT SHELLFISH	81,205	2,760	54,512	203	408	22,922		
0912 SHELLFISH, EXCEPT PREPARED	4,323	4,279	2,963	33	464	144		
0931 MARINE SHELLS, UNMANUFACTURED	2,443	39	2,404					
1021 COPPER ORE AND CONCENTRATES	461		461					
1051 ALUMINUM ORES, CONCENTRATES	1,287	1,233	54					
1091 NONFERROUS ORES, CONCENT, NEC	2,822	141	2,621	16	44			
1121 COAL AND LIGNITE	2,666	2,135	516		15			
1311 CRUDE PETROLEUM	39,603			35,404		4,195		
1411 LIMESTONE	182,196	182,175	21					
1412 BUILDING STONE, UNWORKED	7,447		7,447					
1442 SAND, GRAVEL, CRUSHED ROCK	2,643,579	628,813	97,023		215	1,342,730	624,273	524
1451 CLAY	114,505	6,237	25,759		922	81,607		
1471 PHOSPHATE ROCK	9		9					
1479 NATURAL FERTILIZER MATS, NEC	5	5						
1491 SALT	6,859		141	108	6,570			
1492 SULPHUR, DRY	13,669		525		13,144			
1494 GYPSUM, CRUDE AND PLASTERS	202,577	201,600	714		263			
1499 NONMETALLIC MINERALS, NEC	23,091	2,139	18,849	44	2,059			
1911 ORDNANCE AND ACCESSORIES	551	396	155					
2011 MEAT, FRESH, CHILLED, FROZEN	32,315	2,160	27,778	17	2,360			
2012 MEAT AND PRODUCTS, NEC	1,383	993	390					
2014 TALLOW, ANIMAL FATS AND OILS	35,500		35,500					
2015 ANIMAL BY-PRODUCTS, NEC	135,383	127	135,256					
2021 DAIRY PRODUCTS, NEC	1,474	1,034	155		685			
2022 DRIED MILK AND CREAM	4,907	21	4,886					
2031 FISH AND SHELLFISH, PREPARED	147,764	16,007	18,105	110,968	2,484			
2034 VEGETABLES AND PREP, NEC	33,797	23,290	5,600	112	4,795			
2039 PREP FRUIT AND VEG JUICE, NEC	54,242	39,570	7,327	5,427	1,918			
2041 WHEAT FLOUR AND SEMOLINA	3,740		625		3,115			
2042 ANIMAL FEEDS	160,521		156,212		3,507			
2049 GRAIN MILL PRODUCTS, NEC	119,098	4,767	113,950		381			
2061 SUGAR	4,942	510	38	4,394				
2062 MOLASSES	38,197			27,797				8,400
2081 ALCOHOLIC BEVERAGES	80,522	47,960	8,049	168	24,345			
2091 VEGETABLE OILS, MARG, SHORT	4,104	618	3,238		253			
2092 ANIMAL OILS AND FATS, NEC	5	1	4					
2096 GROCERIES	23,194			213	22,971			
2099 MISCELLANEOUS FOOD PRODUCTS	75,391	17,503	26,440	184	34,746	8		50
2111 TOBACCO MANUFACTURES	2,751	70	2,679		2			
2211 BASIC TEXTILE PRODUCTS	72,659	67,109	5,259		291			
2212 TEXTILE FIBERS, NEC	3,184		3,184		4			
2311 APPAREL	172,528	171,976	552					
2411 LOGS	67,986	39,201	28,744		39			
2412 RAFTED LOGS	203,021					85,239	117,782	
2413 FUEL WOOD, CHARCOAL, WASTES	7,665	674	822	67	1,270	2,625	1,387	
2414 TIMBER, POSTS, POLES, PILING	19,810	92	392	300	1,969	12,931	2,809	1,237
2416 WOOD CHIPS, STAVES, HOLDINGS	42,068	37,918	4,150					
2421 LUMBER	417,470	25,421	280,306	4,149	80,861	23,297	62	3,374
2431 VENEER, PLYWOOD, WORKED WOOD	18,072	2,610	2,837		8,625			
2491 WOOD MANUFACTURES, NEC	152,373	16,271	24,430	304	110,557	300	17	894
2511 FURNITURE AND FIXTURES	66,260	50,969	2,233	5,598	7,445	15		

SEATTLE, WA, DISTRICT

67

SEATTLE HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2611 PULP-----	391,431	23,242	318,227	43,201	320	4,041	2,400	
2621 STANDARD NEWSPRINT PAPER-----	387,272	301,699	81,819		3,754			
2631 PAPER AND PAPERBOARD-----	196,038	21,102	171,775	642	2,519			
2691 PULP AND PAPER PRODUCTS, NEC-----	35,226	6,735	3,880	2,331	21,737	543		
2711 PRINTED MATTER-----	11,798	9,821	1,911		66			
2810 SODIUM HYDROXIDE-----	55,227					55,182	45	
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	22,472	5,273	62	17,134	3			
2812 DYES, PIGMENT, TANNING MATS-----	1,728		872		856			
2813 ALCOHOLS-----	1,168	397	553		218			
2816 RADIOACTIVE MATERIALS, WASTES-----	224	197	18	9				
2817 BENZENE AND TOLUENE-----	5		5					
2818 SULPHURIC ACID-----	158				158			
2819 BASIC CHEMICALS AND PROD, NEC-----	72,885	25,385	38,478	148	8,838			
2821 PLASTIC MATERIALS-----	67,401	36,778	50,019		608			
2822 SYNTHETIC RUBBER-----	6,539	17	6,522					
2823 SYNTHETIC (MAN-MADE) FIBERS-----	5,344	1,985	3,359					
2831 DRUGS-----	3,140	1,396	1,744					
2841 SOAP-----	19,250	1,492	17,456		302			
2851 PAINTS-----	18,863	16,148	2,148	10	557			
2861 GUM AND GUMMED CHEMICALS-----	274,070	20	1,066			119,739	140,305	12,940
2871 NITROGENOUS CHEM FERTILIZERS-----	32,330	392	850		31,688			
2873 PHOSPHATIC CHEM FERTILIZERS-----	39	39						
2876 INSECTICIDES, DISINFECTANTS-----	4,940	198	4,742					
2879 FERTILIZER AND MATERIALS, NEC-----	7,714	244	246	298	6,928			
2891 MISCELLANEOUS CHEMICAL PROD-----	23,630	4,751	8,571	9	10,499			
2911 GASOLINE-----	750,128	185,785	891	269,337	18,663	185,356	68,638	51,738
2912 JET FUEL-----	206,592	10,788	11,533	55,503	58,178	67,575	3,015	
2914 DISTILLATE FUEL OIL-----	842,738	53,875	62,084	251,826	26,617	193,151	61,708	203,497
2915 RESIDUAL FUEL OIL-----	1,091,172	51,674	36,816	45,746	29,419	452,751	184,090	289,776
2916 LUBRICATING OILS AND GREASES-----	38,496	6,576	2,868	28,206	54	9	462	323
2917 NAPHTHA, PETROLEUM SOLVENTS-----	1,828		208	1,315	267			
2918 ASPHALT, TAR, AND PITCHES-----	104,513	53	66	94,096	10,098			
2920 COKE, PETROLEUM COKE-----	236		236					
2921 LIQUEFIED GASES-----	2,105		500	1	1,604			
2951 ASPHALT BUILDING MATERIALS-----	1,794		251		1,543			
2991 PETROLEUM AND COAL PROD, NEC-----	10,334	641	454		8,641		598	
3011 RUBBER AND MISC PLASTIC PROD-----	136,558	126,988	8,317	140	3,069			
3111 LEATHER AND LEATHER PRODUCTS-----	93,701	79,129	14,395	177				
3211 GLASS AND GLASS PRODUCTS-----	20,973	16,049	4,640	34	209			
3241 BUILDING CEMENT-----	726,625	484,479	126	37,225	56,068	119,277	150	29,300
3251 STRUCTURAL CLAY PRODUCTS-----	19,975	17,585	1,571		859			
3271 LIME-----	183		27		161			
3281 CUT STONE AND STONE PRODUCTS-----	6,643	5,589	462		592			
3291 MISC NONMETALLIC MINERAL PROD-----	128,799	54,753	5,313	135	50,240	9,450	7,366	1,542
3312 SLAG-----	1,486				1,486			
3314 IRON AND STEEL PRIMARY FORMS-----	649	595	40		14			
3315 IRON, STEEL SHAPES, EXC SHEET-----	160,823	150,755	1,484	50	4,184	350		
3316 IRON AND STEEL PLATES, SHEETS-----	11,206	7,157	1,438		2,611			
3317 IRON AND STEEL PIPE AND TUBE-----	58,402	45,996	605	378	11,427			
3318 FERROALLOYS-----	455	167	288					
3319 IRON AND STEEL PRODUCTS, NEC-----	15,153	14,075	648	3	427			
3321 NONFERROUS METALS, NEC-----	8,822	3,913	4,811		98			
3322 COPPER ALLOYS, UNWORKED-----	5,247	3,916	1,330		1			
3323 LEAD AND ZINC, UNWORKED-----	10,886		10,459		223			
3324 ALUMINUM AND ALLOYS, UNWORKED-----	168,513	7,939	160,574					
3411 FABRICATED METAL PRODUCTS-----	330,376	264,608	16,401	2,441	45,844	80	500	80
3511 MACHINERY, EXCEPT ELECTRICAL-----	365,183	302,572	17,437	25,184	14,715	1,884	2,835	456
3611 ELECTRICAL MACH AND EQUIP-----	407,477	390,682	15,683	95	1,137			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	392,156	363,877	6,215	10,227	11,768	19		50
3721 AIRCRAFT AND PARTS-----	3,244	3,013	222	1	4			
3731 SHIPS AND BOATS-----	6,886	3,727	714	359	2,086			
3791 MISC TRANSPORTATION EQUIPMENT-----	10,894	8,981	788	201	924			
3811 INSTR, TIME, PHOTO, OPT GOODS-----	35,322	27,740	7,582					
3911 MISC MANUFACTURED PRODUCTS-----	165,240	150,542	3,133	282	2,283			
4011 IRON AND STEEL SCRAP-----	33,036	30	17,545	15,423	30			
4012 NONFERROUS METAL SCRAP-----	61,591	366	61,225					
4022 TEXTILE WASTE, SCRAP, SHEEP-----	7,151	257	6,894					
4024 PAPER WASTE AND SCRAP, NEC-----	145,163	147	145,016					
4029 WASTE AND SCRAP, NEC-----	80,053			501		3,822	63,575	12,155
4112 COMMODITIES, NEC-----	1,173,301	99,250	14,724	157,064	900,410	3	900	950
4119 EMPTY CONTAINERS-----	3,732			3,519	194	19		
9999 DEPARTMENT OF DEFENSE AND SCI-----	3,497		3,497					

LAKE WASHINGTON SHIP CANAL, WASH.
(INCLUDED IN TRAFFIC OF SEATTLE HARBOR, WASH.)

SECTION INCLUDED: AS DESCRIBED UNDER SEATTLE HARBOR, WASH.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1976-----	1,383,283	378,625	1,762,108	25,034	1981-----	1,031,203	145,361	1,976,564	85,936
1977-----	1,348,728	131,321	1,480,049	48,591	1982-----	1,226,680	90,027	1,316,707	27,747
1978-----	1,733,392	211,265	1,944,657		1983-----	543,657	59,965	603,622	98,178
1979-----	1,793,454	145,891	1,939,345	68,065	1984-----	1,233,876	37,964	1,271,840	95,348
1980-----	1,571,658	102,495	1,674,153	38,397	1985-----	1,632,092	203,021	1,835,113	99,437

Waterborne Commerce of the United States, 1985

LAKE WASHINGTON SHIP CANAL, WASH.
(INCLUDED IN TRAFFIC OF SEATTLE HARBOR, WASH.)--CONTINUED

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS		
TOTAL	1,835,113	52,949	105,695	251,535	534,207	679,183	211,548	
0104 OATS	40			40				
0122 HAY AND FODDER	437			437				
0861 FOREST PRODUCTS, NEC	12			12				
0911 FRESH FISH, EXCEPT SHELLFISH	539		55	484				
1402 SAND, GRAVEL, CRUSHED ROCK	1,042,422	10,144		194	446,153	545,906	25	
1451 CLAY	70			70				
1491 SALT	4,464		108	4,356				
1499 NONMETALLIC MINERALS, NEC	67			67				
2011 MEAT, FRESH, CHILLED, FROZEN	920		5	924				
2021 DAIRY PRODUCTS, NEC	5			5				
2031 FISH AND SHELLFISH, PREPARED	56,061		55,899	7	155			
2034 VEGETABLES AND PREP, NEC	61			61				
2039 PREP FRUIT AND VEG JUICE, NEC	1,509		8	1,501				
2042 ANIMAL FEEDS	972			972				
2049 GRAIN MILL PRODUCTS, NEC	40			40				
2081 ALCOHOLIC BEVERAGES	1,429			1,429				
2091 VEGETABLE OILS, MARG, SHORT	20			20				
2094 GROCERIES	1,109			1,109				
2099 MISCELLANEOUS FOOD PRODUCTS	699		5	694			50	
2211 BASIC TEXTILE PRODUCTS	100			100				
2411 LOGS	22			22				
2412 RAFTED LOGS	203,021					85,239	117,782	
2414 TIMBER, POSTS, POLES, PILING	777			672	70	35		
2421 LUMBER	9,317		270	9,017	25	10		
2431 VENEER, PLYWOOD, WORKED WOOD	4,312			4,312				
2491 WOOD MANUFACTURES, NEC	3,434		9	3,425				
2511 FURNITURE AND FIXTURES	613		173	440				
2691 PULP AND PAPER PRODUCTS, NEC	5,003		111	4,892				
2811 CRUDE TAR, OIL, GAS PRODUCTS	5		3	3				
2819 BASIC CHEMICALS AND PROD, NEC	280		1	279				
2821 PLASTIC MATERIALS	42			42				
2851 PAINTS	317		10	307				
2861 GUM AND WOOD CHEMICALS	13,285					3,187	10,098	
2879 FERTILIZER AND MATERIALS, NEC	353			353				
2891 MISCELLANEOUS CHEMICAL PROD	9			9				
2911 GASOLINE	57,224	6,551		106			50,567	
2912 JET FUEL	3,020			5		3,015		
2914 DISTILLATE FUEL OIL	124,041	2,786	2	475	87,644	615	32,509	
2915 RESIDUAL FUEL OIL	6,714	6,716						
2916 LUBRICATING OILS AND GREASES	688			39		401	248	
2918 ASPHALT, TAR, AND PITCHES	23			23				
2921 LIQUEFIED GASES	239			239				
2951 ASPHALT BUILDING MATERIALS	1,210			1,210				
2991 PETROLEUM AND COAL PROD, NEC	115			115				
3011 RUBBER AND MISC PLASTIC PROD	244			244				
3211 GLASS AND GLASS PRODUCTS	21			21				
3241 BUILDING CEMENT	28,546	26,689		1,707		150		
3251 STRUCTURAL CLAY PRODUCTS	31			31				
3271 LIME	142			142				
3281 CUT STONE AND STONE PRODUCTS	420	50		370				
3291 MISC NONMETALLIC MINERAL PROD	6,101		4	6,047		50		
3314 IRON AND STEEL PRIMARY FORMS	14			14				
3315 IRON, STEEL SHAPES, EXC SHEET	949			809	140			
3316 IRON AND STEEL PLATES, SHEETS	134			134				
3317 IRON AND STEEL PIPE AND TUBE	1,748			1,748				
3319 IRON AND STEEL PRODUCTS, NEC	484		5	481				
3322 COPPER ALLOYS, UNWORKED	1			1				
3411 FABRICATED METAL PRODUCTS	10,960	11	250	10,119		500	83	
3511 MACHINERY, EXCEPT ELECTRICAL	3,720		1,367	2,253			100	
3511 ELECTRICAL MACH AND EQUIP	246		33	213				
3711 MOTOR VEHICLES, PARTS, EQUIP	1,770		375	1,395			50	
3721 AIRCRAFT AND PARTS	1			1				
3731 SHIPS AND BOATS	888		276	612				
3791 MISC TRANSPORTATION EQUIPMENT	466		103	343				
3911 MISC MANUFACTURED PRODUCTS	14			14				
4011 IRON AND STEEL SCRAP	4			4				
4029 WASTE AND SCRAP, NEC	110					75	35	
4112 COMMODITIES, NEC	232,931		46,489	186,442				
4119 EMPTY CONTAINERS	143		135	8				

SEATTLE, WA, DISTRICT

69

EVERETT HARBOR AND SNOHOMISH RIVER, WASH.

SECTION INCLUDED: PORT GARDNER BAY FROM THE MEYERHAEUSER COMPANY THERMO-MECHANICAL MILL, ON THE SOUTH TO PRESTON POINT ON THE NORTH AND INCLUDING THE SNOHOMISH RIVER AND TRIBUTARY WATERS. CONTROLLING DEPTH: EAST WATERWAY, 33.3 FEET; 17.9 FEET IN PORT GARDNER BAY TO THE SETTLING BASIN; 8.5 FEET IN THE SETTLING BASIN; 6.1 FEET FROM THE SETTLING BASIN TO BURLINGTON NORTHERN RAILROAD; 1.4 FEET FROM BURLINGTON NORTHERN RAILROAD TO HEAD OF WATERWAY AT STEAMBOAT SLOUGH. PROJECT DEPTH: EAST WATERWAY, 30 FEET; DEEP WATER IN PORT GARDNER BAY TO SETTLING BASIN, 15 FEET; SETTLING BASIN, 20 FEET; FROM THE SETTLING BASIN TO THE GAP, 8 FEET; FROM THE GAP TO THE UPSTREAM SETTLING BASIN, 8 FEET; 40 FEET IN UPSTREAM SETTLING BASIN; 8 FEET TO HEAD OF WATERWAY. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1976-----	2,847,554	1,295,463	4,143,017	1981-----	1,870,700	1,421,707	3,301,407
1977-----	2,887,127	1,901,875	4,589,002	1982-----	2,300,086	1,686,001	3,986,087
1978-----	2,824,487	3,239,228	6,063,715	1983-----	2,126,592	1,606,578	3,733,170
1979-----	2,466,941	2,331,705	4,798,646	1984-----	2,130,100	1,428,122	3,767,521
1980-----	2,382,876	2,016,281	4,359,107	1985-----	2,235,514	1,892,754	4,128,268

* PASSENGERS--7,544.

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	4,128,268	524,636	1,475,315	7,929	814	660,242	230,021	1,229,511
0131 FRESH FRUITS-----	8,587		8,587					
0911 FRESH FISH, EXCEPT SHELLFISH-----	7,088	811				6,287		
0912 SHELLFISH, EXCEPT PREPARED-----	54					54		
1051 ALUMINUM ORES, CONCENTRATES-----	368,840	368,840						
1311 CRUDE PETROLEUM-----	2,060					2,060		
1402 SAND, GRAVEL, CRUSHED ROCK-----	963					463	500	
2015 ANIMAL BY-PRODUCTS, NEC-----	14		14					
2202 ANIMAL FEEDS-----	476		476					
2400 MISCELLANEOUS FOOD PRODUCTS-----	15		15					
2511 APPAREL-----	29	25						
2611 LOGS-----	1,502,655	56,182	1,446,513					
2612 RAFTED LOGS-----	1,492,754					467,733	195,710	1,229,511
2613 FUEL WOOD, CHARCOAL, WASTES-----	2,755	2,755						
2614 TIMBER, POSTS, POLES, PILING-----	1,502						1,502	
2616 WOOD CHIPS, STAVES, MOLDINGS-----	170,030	41,529		7,039		50,819	26,683	
2621 LUMBER-----	8,199	7,313	458				428	
2691 WOOD MANUFACTURES, NEC-----	300						300	
2611 PULP-----	18,699		18,699					
2691 PULP AND PAPER PRODUCTS, NEC-----	26		26					
2810 SODIUM HYDROXIDE-----	10,750					10,750		
2819 BASIC CHEMICALS AND PROD, NEC-----	9		9					
2961 GUM AND GUMM RESINS-----	40,505					40,505		
2991 MISCELLANEOUS CHEMICAL PROD-----	15,170					15,170		
2910 DISTILLATE FUEL OIL-----	4,485					3,982		
2915 RESIDUAL FUEL OIL-----	47,686					47,686		
2916 LUBRICATING OILS AND GREASES-----	19							
3011 RUBBER AND MISC PLASTIC PROD-----	4		4					
3111 LEATHER AND LEATHER PRODUCTS-----	27	27						
3291 MISC NONMETALLIC MINERAL PROD-----	2,320		20				2,300	
3315 IRON, STEEL SHAPES, END SHEET-----	200						200	
3316 IRON AND STEEL PLATES, SHEETS-----	4,470	4,470						
3317 IRON AND STEEL PIPE AND TUBE-----	274	274						
3319 IRON AND STEEL PRODUCTS, NEC-----	125						125	
3322 COPPER ALLOYS, UNWORKED-----	1		1					
3411 FABRICATED METAL PRODUCTS-----	10,928	10,901	27					
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,856		2	800	814	740	800	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	10	10						
4011 IRON AND STEEL SCRAP-----	155		155					
4012 NONFERROUS METAL SCRAP-----	13		13					
4024 PAPER WASTE AND SCRAP-----	95		95					
4029 WASTE AND SCRAP, NEC-----	1,075					975	900	
4112 COMMODITIES, NEC-----	1,285	91	173			8	1,713	

SNOHOMISH CHANNEL, WASH.

SECTION INCLUDED: ENTIRE CHANNEL. CONTROLLING DEPTH: 8.4 FEET. PROJECT DEPTH: 12 FEET. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1976-----	64,310	717,782	782,092	1981-----	21,372	776,984	798,356
1977-----	2,600	1,035,791	1,038,391	1982-----	3,107	897,028	900,131
1978-----	1,805	890,097	891,902	1983-----	1,817	723,557	725,374
1979-----	8,403	1,053,450	1,057,853	1984-----	30,726	827,713	858,439
1980-----	17,459	636,112	653,571	1985-----	12,025	683,981	696,006

* PASSENGERS--606.

Waterborne Commerce of the United States, 1985

SHUMWAY CHANNEL, WASH.--CONTINUED

FREIGHT TRAFFIC, 1985

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL					THROUGH
		INBOUND	OUTBOUND	NORTHBOUND	SOUTHBOUND	SOUTHBOUND	
TOTAL.....	698,006	88,062	177,271	118,385	311,308	1,000	
3911 FRESH FISH, EXCEPT SHELLFISH.....	2,429	2,429					
3912 SHELLFISH, EXCEPT PREPARED.....	138	138					
1842 SAND, GRAVEL, CRUSHED ROCK.....	1,000						1,000
2412 RAFTED LOGS.....	685,981	81,389	172,919	118,315	311,308		
2611 PULP.....	8,458	8,106	8,452				
TOTAL TON-MILES.....	2,296,775						

ANACORTES HARBOR, WASH.

SECTION INCLUDES: WATER FRONT OF FIDALGO ISLAND FROM BUREAU WAY TO AND INCLUDING THE DIL REFINERY WHARVES ON FIDALGO BAY, CONTROLLING TIDEWAY, MAIN HARBOUR ON JAMES CHANNEL, 33 FEET; CAPSANTO WATERWAY, OUTER WATERWAY 11.8 FEET, INNER WATERWAY 11.4 FEET; ANACORTES NAVIGATION CHANNEL, 18.2 FEET. SHIPMENT DEPTH: 33 FEET FOR MAIN HARBOUR; CAPSANTO WATERWAY, 12 FEET; ANACORTES NAVIGATION CHANNEL, 18 FEET. ALL DEPTHS REFER TO MLLR.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1976.....	7,240,868	257,781	7,498,649	654,738	1981.....	9,623,049	228,633	9,851,682	840,094
1977.....	8,421,585	146,728	8,568,313	495,552	1982.....	9,346,813	92,627	9,439,440	1,417,812
1978.....	9,787,419	177,441	9,964,860	712,988	1983.....	8,217,077	142,878	8,360,555	1,009,042
1979.....	9,425,741	177,971	9,603,712	864,318	1984.....	8,614,100	15,927	8,630,027	4,405,136
1980.....	9,743,412	122,171	9,865,583	764,168	1985.....	10,385,701	42,818	10,428,519	4,407,248

ADDITIONAL TRAFFIC

YEAR	FOREIGN			GENERAL FERRY			TOTAL		
	TONS	VEHICLES	PASSENGERS	TONS	VEHICLES	PASSENGERS	TONS	VEHICLES	PASSENGERS
1976.....	•	56,610	1,127,004	•	322,400	512,744	•	379,010	644,738
1977.....	•	55,218	1,111,128	•	362,067	554,428	•	414,186	645,562
1978.....	•	48,402	1,111,210	•	304,076	411,050	•	352,486	742,964
1979.....	•	44,128	1,261,871	•	452,400	737,687	•	496,527	844,318
1980.....	•	36,346	1,071,304	•	377,106	652,802	•	413,546	753,148
1981.....	•	55,552	1,571,470	•	386,348	682,626	•	441,910	840,094
1982.....	•	64,452	245,478	•	407,007	1,171,734	•	471,459	1,417,812
1983.....	•	61,401	157,310	•	442,942	801,732	•	504,343	1,009,042
1984.....	•	126,528	472,654	•	1,444,948	4,422,542	•	1,571,476	4,405,136
1985.....	•	137,907	472,654	•	1,467,067	4,424,698	•	1,605,065	4,407,248

• NOT REPORTED.

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL.....	10,204,309	1,311,731	615,184	6,226,554	1,377,389	75,298	601,357	792
3122 HAY AND FORAGE.....	80						80	
3911 FRESH FISH, EXCEPT SHELLFISH.....	5,200	520				4,581	320	
3912 SHELLFISH, EXCEPT PREPARED.....	216					216		
1311 CRUDE PETROLEUM.....	6,682,080	1,157,488		5,424,684				
1411 LIME, STONE.....	7,500	7,500						
1842 SAND, GRAVEL, CRUSHED ROCK.....	29,982	29,322					660	
1402 S. LARD, SOYBEAN.....	11,401		11,401					
1400 NONMETALLIC MINERALS, NEC.....	163	3					160	
2511 MEAT, FRESH, CHILLED, FROZEN.....	246		246					
2015 ANIMAL BY-PRODUCTS, NEC.....	19		19					
2211 BASIC TEXTILE PRODUCTS.....	2	2						
2411 LOGS.....	223,416	26,297	197,119					
2412 RAFTED LOGS.....	42,618					37,948	1,778	792
2410 TIMBER, POSTS, POLES, PILING.....	15					15		
2421 LUMBER.....	2,425						2,425	
2511 FURNITURE AND FIXTURES.....	360						360	
2810 BASIC CHEMICALS AND PROD., NEC.....	6		6					
2811 MISCELLANEOUS CHEMICAL PROD.....	12,604				12,604			
2911 CASO, LINE.....	1,610,574	76,308			912		1,516,384	
2912 1ST FUEL.....	190,000		10,058	31,970			29,513	
2914 DISTILLATE FUEL OIL.....	407,248		55,891	64,240		13,055	224,524	
2915 RESIDUAL FUEL OIL.....	1,210,726	9,876	85,330	595,154		207,436	212,994	
2916 LUBRICATING OILS AND GREASES.....	94					94		
2917 NAPHTHA, PETROLEUM SOLVENTS.....	18,128			7,560		10,468		
2920 CORE, PETROLEUM CORE.....	276,256		276,256					

SEATTLE, WA, DISTRICT

71

ANACORTES HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2921 LIQUEFIED GASES-----	180						180	
2991 PETROLEUM AND COAL PROD, NEC-----	61,443				53,645	500	7,200	
3011 RUBBER AND MISC PLASTIC PROD-----	3		3					
3111 LEATHER AND LEATHER PRODUCTS-----	12	12						
3201 CUT STONE AND STONE PRODUCTS-----	49	49						
3291 MISC NONMETALLIC MINERAL PROD-----	1,320						1,320	
3315 IRON, STEEL SHAPES, EXC SHEET-----	552	552						
3411 FABRICATED METAL PRODUCTS-----	3,856	3,852	4					
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,236	96					1,140	
3611 ELECTRICAL MACH AND EQUIP-----	8	8						
3711 MOTOR VEHICLES, PARTS, EQUIP-----	200						200	
3721 AIRCRAFT AND PARTS-----	1	1						
4112 COMMODITIES, NEC-----	218	18	80				120	

BELLINGHAM BAY AND HARBOR, WASH.

SECTION INCLUDED: BELLINGHAM BAY AND CHUCKANUT BAY FROM THE WHARF OF THE OLYMPIC PORTLAND CEMENT COMPANY ON THE NORTH TO AND INCLUDING CHUCKANUT INTERISLAND FERRY SLIP ON THE SOUTH. CONTROLLING DEPTH: WHATCOM CREEK WATERWAY, 11.7 TO 28.9 FEET; SQUALICUM CREEK WATERWAY, 23.8 FEET, FROM DEEP WATER TO TURNING BASIN, 16.3 FEET IN TURNING BASIN, 11.7 FEET FROM STA. 16 + 00 TO 5 + 40; I & J ST. WATERWAY, 10.9 FT. PROJECT DEPTH: WHATCOM CREEK WATERWAY, 16 TO 30 FEET; SQUALICUM CREEK WATERWAY, 26 FEET OVER THE ENTIRE WATERWAY. I & J STREET WATERWAY 16 FEET OVER THE ENTIRE WATERWAY. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1976-----	1,594,376	166,219	1,760,595	1981-----	1,263,819	218,166	1,481,985
1977-----	1,639,750	78,658	1,718,417	1982-----	1,790,888	146,888	1,937,776
1978-----	1,496,037	60,789	1,556,826	1983-----	1,239,814	92,663	1,332,477
1979-----	1,839,947	291,707	2,131,654	1984-----	1,169,505	99,934	1,269,439
1980-----	1,624,788	222,563	2,047,351	1985-----	1,289,881	76,997	1,326,878

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	1,326,878	178,658	206,654	522,160	249,528	125,975	243,903
0131 FRESH FRUITS-----	1,942		1,942				
0133 COFFEE-----	58	58					
0911 FRESH FISH, EXCEPT SHELLFISH-----	26,083	4,805	1,747			19,491	
0912 SHELLFISH, EXCEPT PREPARED-----	1,425	889				536	
1121 COAL AND LIGNITE-----	23,024	23,024					
1311 CRUDE PETROLEUM-----	209,794			209,794			
1442 SAND, GRAVEL, CRUSHED ROCK-----	44,666	22,633	5,068			16,905	
1491 SALT-----	111,777			111,777			
1499 NONMETALLIC MINERALS, NEC-----	138	138					
2013 TALLOW, ANIMAL FATS AND OILS-----	1,240		1,240				
2031 FISH AND SHELLFISH, PREPARED-----	568			568			
2039 OTHER FRUIT AND VEG JUICE, NEC-----	18	18					
2042 ANIMAL FEEDS-----	103		103				
2049 GRAIN MILL PRODUCTS, NEC-----	5		5				
2091 ALCOHOLIC BEVERAGES-----	307	218			89		
2099 MISCELLANEOUS FOOD PRODUCTS-----	2	2					
2311 APPAREL-----	32	32					
2412 RAFTED LOGS-----	36,997					36,997	
2413 FUEL WOOD, CHARCOAL, WASTES-----	14,691	8,875				13,816	
2416 WOOD CHIPS, STAVES, MOLLINGS-----	123,549	120,070				3,479	
2821 LUMBER-----	2,635	16	1,294		1,325		
2831 VENEER, PLYWOOD, HOMED WOOD-----	58	58					
2491 WOOD MANUFACTURES, NEC-----	47	32	111		324		
2511 FURNITURE AND FIXTURES-----	74	74					
2611 PULP-----	80,440		80,440				
2621 STANDARD NEWSPRINT PAPER-----	110		110				
2631 PAPER AND PAPERBOARD-----	12,520	161	12,359				
2691 PULP AND PAPER PRODUCTS, NEC-----	5						
2711 PRINTED MATTER-----	1		1				
2810 SODIUM HYDROXIDE-----	87,920				87,875	45	
2818 SULPHURIC ACID-----	9,885				9,885		
2819 BASIC CHEMICALS AND PROD, NEC-----	11,727		6,227		5,500		
2821 PLASTIC MATERIALS-----	83	60	23				
2831 DRUGS-----	21	12	9				
2841 SOAP-----	44,975		44,975				
2861 GUM AND WOOD CHEMICALS-----	161,353				80,000		121,333
2891 MISCELLANEOUS CHEMICAL PROD-----	15,601		1		15,600		
2911 GASOLINE-----	74,281				50,250	20,748	3,273
2912 JET FUEL-----	17,019				17,019		
2914 DISTILLATE FUEL OIL-----	52,135		20,385		21,706	18,044	
3011 RUBBER AND MISC PLASTIC PROD-----	16	16					
3111 LEATHER AND LEATHER PRODUCTS-----	5	4	1				
3211 GLASS AND GLASS PRODUCTS-----	75	75					

Waterborne Commerce of the United States, 1985

BELLINGHAM BAY AND HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		INTERNAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
3201 BUILDING CEMENT-----	119,277							119,277
3251 STRUCTURAL CLAY PRODUCTS-----	6	6						
3291 MISC NONMETALLIC MINERAL PROD-----	303	20				173		
3312 SLAG-----	3,890							3,890
3315 IRON, STEEL SHAPES, ETC SHEET-----	996	996						
3317 IRON AND STEEL PIPE AND TUBE-----	730	80	650					
3319 IRON AND STEEL PRODUCTS, NEC-----	7	7						
3320 ALUMINUM AND ALLOYS, UNWORKED-----	28,660		28,660					
3411 FABRICATED METAL PRODUCTS-----	152	97	55			2		
3511 MACHINERY, EXCEPT ELECTRICAL-----	909	77	831	21				20
3611 ELECTRICAL MAC- AND EQUIP-----	105	126	19					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	83	6	68			9		
3811 INSTR, TIME, PHOTO, OPT GOODS-----	30	30						
3911 MISC MANUFACTURED PRODUCTS-----	33	32	1					
4011 IRON AND STEEL SCRAP-----	24		24					
4020 PAPER WASTE AND SCRAP-----	50		50					
4112 COMMODITIES, NEC-----	120	40	80			21		

SEATTLE, WA, DISTRICT

73

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TONS MILES	PASSENGERS
PROJECT				
OLAINE HARBOR, WASH.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	5,232		
	0912 SHELLFISH, EXCEPT PREPARED-----	331		
	4024 WASTE AND SCRAP, NEC-----	900		
	TOTAL-----	10,463		
COLUMBIA RIVER BETWEEN KENATCHEE AND KETTLE FALLS, WASH.,----	2412 HAFTED LOGS-----	5,625	346,375	
FLATHEAD LAKE, MONT.,-----	NO COMMERCE REPORTED			
MUQUIAN RIVER, WASH.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	716	716	
ROULEAU RIVER, IDAHO AND MONT.,-----	NO COMMERCE REPORTED			
NEAR DAY, WASH.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	3,509		
	0912 SHELLFISH, EXCEPT PREPARED-----	17		
	2421 LUMBER-----	125		
	3319 IRON AND STEEL PRODUCTS, NEC-----	125		
	TOTAL-----	3,776		
QUILLAYUTE RIVER, WASH.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	486		
	0912 SHELLFISH, EXCEPT PREPARED-----	1		
	TOTAL-----	487	487	
SHAGBUSH RIVER, WASH.,-----	2412 HAFTED LOGS-----	17,471	249,142	
STILLAGUAMISH RIVER, WASH.,-----	NO COMMERCE REPORTED			
WATKINS CUNNINGHAM POINT TOWNSEND BAY AND CAM BAY, WASH.,----	2413 FUEL WOOD, CHARCOAL, WASTES-----	4,348		
	2416 WOOD CHIPS, STAVES, WEDGINGS-----	12,464		
	TOTAL-----	22,316	22,316	
WILLAMA RIVER AND HARBOR, AND NASELLE RIVER, WASH.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	447		
	0912 SHELLFISH, EXCEPT PREPARED-----	2,104		
	TOTAL-----	2,551	2,551	
WASHPHELETT				
COLUMBIA ALONE LAKE AND ST. JOE RIVER, IDAHO-----	2412 HAFTED LOGS-----	668,515	10,468,295	
OTHER FLUET SQUAD AREA MOUNTS, WASH. (NET)-----	0101 COTTON, WASH-----	80		
	0122 HAY AND FEEDS-----	80		
	0131 FRESH FRUITS-----	37		
	0141 FRESH AND FROZEN VEGETABLES-----	11		
	0151 LIVE ANIMALS-----	3		
	0911 FRESH FISH, EXCEPT SHELLFISH-----	2,780		
	0912 SHELLFISH, EXCEPT PREPARED-----	297		
	1051 ALUMINUM CHES, CONCENTRATES-----	481,658		
	1511 CRUDE PETROLEUM-----	11,917,418		
	1642 SAND, GRAVEL, CRUSHED ROCK-----	3,493,158		
	1451 CLAY-----	81,607		
	1494 NONMETALLIC MINERALS, NEC-----	160		
	2011 MEAT, FRESH, UNKILLED, FROZEN-----	20		
	2034 VEGETABLES AND FRUIT, NEC-----	18		
	2039 FRESH FRUIT AND VEG JUICE, NEC-----	51		
	2042 ANIMAL FEEDS-----	26		
	2311 APPAREL-----	7		
	2411 LOGS-----	8,377		
	2412 HAFTED LOGS-----	224,834		
	2413 FUEL WOOD, CHARCOAL, WASTES-----	2,825		
	2414 TIMBER, POSTS, POLES, PILING-----	17,197		
	2416 WOOD CHIPS, STAVES, WEDGINGS-----	17,395		
	2421 LUMBER-----	2,847		
	2491 WOOD MANUFACTURES, NEC-----	17		
	2511 FURNITURE AND FIXTURES-----	360		
	2611 PULP-----	1,014		
	2691 PULP AND PAPER PRODUCTS, NEC-----	2		
	2814 BASIC CHEMICALS AND PROD, NEC-----	172		
	2841 SOAP-----	44		
	2843 MISCELLANEOUS CHEMICAL PROD-----	183		
	2911 GASOLINE-----	405,559		
	2912 JET FUEL-----	371,549		
	2914 DISTILLATE FUEL OIL-----	104,479		
	2915 RESIDUAL FUEL OIL-----	400,491		
	2916 LUBRICATING OILS AND GREASES-----	88,116		
	2921 LIQUEFIED GASES-----	95,550		
	2991 PETROLEUM AND COAL PROD, NEC-----	7,200		
	3011 RUBBER AND MISC PLASTIC PROD-----	157		
	3211 GLASS AND GLASS PRODUCTS-----	19		
	3241 BUILDING CEMENT-----	190		
	3291 MISC NONMETALLIC MINERAL PROD-----	8,986		
	3324 ALUMINUM AND ALLOYS, UNWORKED-----	6		
	3411 FABRICATED METAL PRODUCTS-----	241		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	6,818		
	3611 ELECTRICAL PARTS AND EQUIP-----	89		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	403		
	3731 SHIPS AND BOATS-----	47		
	3791 MISC TRANSPORTATION EQUIPMENT-----	24		
	3811 INSTR, TIME, PHOTO, OPT GLOES-----	11		
	3911 MISC MANUFACTURED PRODUCTS-----	17		
	4024 WASTE AND SCRAP, NEC-----	14,622		
	4112 COMMODITIES, NEC-----	2,355		
	9944 DEPARTMENT OF DEFENSE AND SCI-----	2		
	TOTAL-----	15,584,523	32,582,592	

Waterborne Commerce of the United States, 1985

ALASKA DISTRICT

KETCHIKAN HARBOR, ALASKA

SECTION INCLUDED: TONGASS NARROWS FROM POINT HIGGINS ON THE NORTH TO MOUNTAIN POINT ON THE SOUTH AND INCLUDING HERRING BAY ON GEORGE INLET. CONTROLLING DEPTH: MAIN HARBOR, ADEQUATE; SMALL BOAT BASINS, KETCHIKAN CREEK, 10.0 FEET; RAR POINT, 15 FEET. PROJECT DEPTHS: NO PROJECT DEPTH FOR MAIN HARBOR; SMALL BOAT BASINS, 10 AND 15 FEET. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	ADDITIONAL TRAFFIC	
					GENERAL FERRY VEHICLES	PASSENGERS
1976	923,043	636,024	1,559,067	625,180	125,239	625,180
1977	1,139,137	626,589	1,765,726	346,708	64,305	346,708
1978	1,293,351	679,483	1,972,834	325,836	40,733	325,836
1979	1,700,642	501,375	2,202,017	313,104	58,793	313,104
1980	1,895,316	871,857	2,767,173	371,930	80,053	371,930
1981	1,455,444	424,051	1,879,495	382,727	42,018	382,727
1982	1,475,009	292,010	1,765,019	393,573	42,425	393,573
1983	1,442,441	350,510	1,792,951	406,969	90,030	406,969
1984	1,516,027	175,669	1,691,696	704,557	153,163	704,557
1985	1,749,590		1,749,590	625,161	124,232	625,161

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL	1,749,590	58,873	1,027,064	273,244	55,264	145,107	200,038
0131 FRESH FRUITS	6			6			
0141 FRESH AND FROZEN VEGETABLES	2			2			
0191 MISCELLANEOUS FARM PRODUCTS	731			731			
0911 FRESH FISH, EXCEPT SHELLFISH	69,477		11,271	65	39	88,102	
0912 SHELLFISH, EXCEPT PREPARED	75		75				
1121 COAL AND LIGNITE	13,861		13,861				
1442 SAND, GRAVEL, CRUSHED ROCK	11,284	10,394					890
1491 SALT	741			741			
1492 SULPHUR, DRY	7,945			7,945			
2011 MEAT, FRESH, CHILLED, FROZEN	7			7			
2031 FISH AND SHELLFISH, PREPARED	25,432		1,588		23,744		74
2039 PREP FRUIT AND VEG JUICE, NEC	11			11			
2042 ANIMAL FEEDS	9						
2049 GRAIN MILL PRODUCTS, NEC	2			2			
2081 ALCOHOLIC BEVERAGES	685	11		674			
2094 CROCCERIES	4,134			4,134			
2099 MISCELLANEOUS FOOD PRODUCTS	11,494			11,313	104	72	9
2311 BASIC TEXTILE PRODUCTS	144	2		142			
2411 LOGS	863,596	44,173	819,423				
2414 TIMBER, POSTS, POLES, PILING	415			115	300		
2416 WOOD CHIPS, STAVES, HOLDINGS	111,040					111,040	
2421 LUMBER	86,004	200	82,555	8,233	2,724	12,146	102
2431 VENEER, PLYWOOD, WORKED WOOD	46			46			
2491 WOOD MANUFACTURES, NEC	1,056			961		20	75
2511 FURNITURE AND FIXTURES	1,388			965	336	47	40
2611 PULP	135,112		117,903	436	16,683		
2621 STANDARD NEWSPRINT PAPER	175			175			
2631 PAPER AND PAPERBOARD	19		19				
2691 PULP AND PAPER PRODUCTS, NEC	4,152			1,530	2,070		543
2810 SODIUM HYDROXIDE	28,100			28,100			
2818 SULPHURIC ACID	158			158			
2819 BASIC CHEMICALS AND PROD, NEC	2,342			2,229	113		
2841 SOAP	3			3			
2851 PAINTS	30						
2879 FERTILIZER AND MATERIALS, NEC	92			2			90
2891 MISCELLANEOUS CHEMICAL PROD	7,281			7,281			
2911 GASOLINE	58,475	202		20,531	244		17,498
2912 JET FUEL	26,331	872		9,440	370		15,641
2914 DISTILLATE FUEL OIL	200,777			60,756	956		130,065
2915 RESIDUAL FUEL OIL	7,544			7,544			
2916 LUBRICATING OILS AND GREASES	47,717			47,712			5
2918 ASPHALT, TAR, AND BITUMENS	2,140			2,140			
2921 LIQUEFIED GASES	1,501	1,323		178			
2951 ASPHALT BUILDING MATERIALS	12			12			
2991 PETROLEUM A.O. COAL PROD, NEC	3,927			3,927			
3011 RUBBER AND MISC PLASTIC PROD	430			354	70		11
3211 GLASS AND GLASS PRODUCTS	11				11		
3241 BUILDING CEMENT	9,934	376		9,107	25	901	525
3251 STRUCTURAL CLAY PRODUCTS	124			124			
3291 MISC NONMETALLIC MINERAL PROD	1,143			924			219
3315 IRON, STEEL SHAPES, EXC SHEET	1,479	1,169					310
3321 NONFERROUS METALS, NEC	7			7			
3411 FABRICATED METAL PRODUCTS	12,730	3		11,457	732	94	444
3431 MACHINERY, EXCEPT ELECTRICAL	19,060	100	226	5,227	3,610	818	9,079
3611 ELECTRICAL MACH AND EQUIP	602	1		588	9	4	
3711 MOTOR VEHICLES, PARTS, EQUIP	3,053	27		2,270	563	112	81
3721 AIRCRAFT AND PARTS	3						
3731 SHIPS AND BOATS	34			20			11
3741 TRANSPORTATION EQUIPMENT	143			47	21	53	42
3811 MANUFACTURED PRODUCTS	953			930	23		
3821 WAX AND STEEL SCRAP	1,128			30	1,098		
3911 MISCELLANEOUS MANUFACTURED PROD	12,770	4	53	5,466	961	1,654	4,224
3921 CONTAINERS	452				418		34

ALASKA DISTRICT

75

WRANGELL HARBOR, ALASKA

SECTION INCLUDED: SHORELINE OF WRANGELL ISLAND FROM THE AIRPLANE LANDING NEAR THE BASE OF POINT SHKESTI TO POINT HIGHFIELD ON THE NORTH. CONTROLLING DEPTHS: MAIN AND INNER HARBOR 10 FEET. PROJECT DEPTHS: BOTH MOORING BASINS, 10 FEET AT MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	ADDITIONAL TRAFFIC	
					GENERAL FERRY VEHICLES	PASSENGERS
1976	427,348	399,999	827,347	16,814	3,854	16,814
1977	404,556	225,172	629,728	13,545	3,355	13,545
1978	302,127	204,695	506,822	15,076	3,502	15,076
1979	308,884	-----	308,884	7,701	1,713	7,701
1980	446,795	103,703	550,498	16,793	3,878	16,793
1981	318,966	323,727	642,693	15,381	3,643	15,381
1982	553,765	41,531	595,296	17,014	4,028	17,014
1983	333,173	253,441	586,614	16,261	3,946	16,261
1984	223,368	30,494	253,862	22,029	4,228	22,029
1985	272,934	91,688	364,622	5,044	-----	5,044

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
TOTAL-----	364,622	309	132,549	13,117	2,312	107,478	108,790	6
0191 MISCELLANEOUS FARM PRODUCTS-----	100	-----	-----	100	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	248	-----	234	14	-----	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	10	10	-----	-----	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	6,850	-----	-----	-----	-----	6,850	-----	-----
1491 SALT-----	36	-----	-----	36	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	2,127	-----	-----	-----	2,127	-----	-----	-----
2094 GROCERIES-----	757	-----	-----	754	-----	3	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	2,668	-----	-----	2,706	-----	52	110	-----
2211 BASIC TEXTILE PRODUCTS-----	7	7	-----	7	-----	-----	-----	-----
2411 LOGS-----	63,512	-----	63,512	-----	-----	-----	-----	-----
2412 RAFTED LOGS-----	91,668	-----	-----	-----	-----	80,418	11,250	-----
2414 TIMBER, POSTS, POLES, PILING-----	39	-----	-----	39	-----	-----	-----	-----
2416 WOOD CHIPS, STAVES, MOLDINGS-----	89,423	-----	-----	-----	-----	-----	89,423	-----
2421 LUMBER-----	85,742	-----	68,700	1,079	-----	8,642	6,822	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	51	-----	-----	51	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	100	-----	-----	100	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	153	-----	-----	53	2	81	17	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	68	-----	-----	68	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	308	-----	-----	308	-----	-----	-----	-----
2821 PLASTIC MATERIALS-----	3	-----	-----	3	-----	-----	-----	-----
2851 PAINTS-----	8	-----	-----	8	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	12	-----	-----	10	-----	2	-----	-----
2911 GASOLINE-----	2,307	-----	-----	-----	-----	2,307	-----	-----
2912 JET FUEL-----	977	-----	-----	-----	-----	977	-----	-----
2914 DISTILLATE FUEL OIL-----	6,774	-----	-----	-----	-----	6,774	-----	-----
2918 ASPHALT, TAR, AND BITUMENS-----	728	-----	-----	728	-----	-----	-----	-----
2921 LIQUEFIED GASES-----	418	-----	-----	418	-----	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	3	-----	-----	3	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	1,072	-----	-----	1,072	-----	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	73	2	-----	68	-----	1	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	4	3	-----	-----	1	-----	-----	-----
3241 BUILDING CEMENT-----	495	-----	-----	495	-----	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	47	-----	-----	47	-----	-----	-----	-----
3271 LIME-----	14	-----	-----	14	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	672	-----	-----	672	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	82	-----	-----	82	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	44	-----	-----	44	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	22	-----	-----	22	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	2	-----	-----	2	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	1,615	185	-----	1,302	-----	47	81	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	3,362	64	-----	1,233	33	1,061	904	6
3611 ELECTRICAL MACH AND EQUIP-----	87	20	4	55	-----	8	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	419	24	-----	284	11	53	47	-----
3731 SHIPS AND BOATS-----	5	-----	-----	5	-----	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	20	-----	-----	9	11	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1	1	-----	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	145	-----	-----	145	-----	2	-----	-----
4011 IRON AND STEEL STRAP-----	8	-----	-----	-----	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	1,119	-----	-----	703	89	192	135	-----
4119 EMPTY CONTAINERS-----	37	-----	-----	-----	29	8	-----	-----

Waterborne Commerce of the United States, 1985

KANGELL NARROWS, ALASKA

SECTION INCLUDED: ENTIRE 24 MILE LONG WATERWAY, CONTROLLING DEPTH: 26 FEET IN THE ANCHORAGE BASIN AND 24 FEET IN THE AUTHORIZED CHANNEL WITH EXCEPTION OF THE AREA NEAR COLORADO REEF WHERE A DEPTH OF 21.6 FEET EXISTS. PROJECT DEPTH: 27 FEET THROUGH PETERSBURG BASIN 26 FEET IN ANCHORAGE BASIN, VICINITY OF MILE 141 ALL OTHER, 24 FEET. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1976	352,645	221,955	574,600	1981	595,969	148,998	744,967
1977	631,073	43,431	714,504	1982	545,367	16,426	561,793
1978	569,631	388,424	958,055	1983	543,913		543,913
1979	583,939	21,263	605,202	1984	687,861	143,534	791,395
1980	710,009	299,157	1,010,065	1985	668,980	82,218	751,198

* PASSENGERS--7,484.

FREIGHT TRAFFIC, 1985

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		THROUGH		INTERNAL		THROUGH	
		RECEIPTS	SHIPMENTS	UPBOUND	DOWNBOUND	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL	751,198	18,066	24,695	262,537	69,495	57,543	24,729	220,086	98,407
0122 HAY AND FODDER	345			345					
0131 FRESH FRUITS	32			24					
0141 FRESH AND FROZEN VEGETABLES	25			22					
1011 MISCELLANEOUS FARM PRODUCTS	144	23		121					
0911 FRESH FISH, EXCEPT SHELLFISH	18,450	53	64	111	65	18,157			
0912 SHELLFISH, EXCEPT PREPARED	980					980			
1442 SAND, GRAVEL, CRUSHED ROCK	501			1		500			
1451 CLAY	43			43					
1491 SALT	1,746	796		950					
1492 SULPHUR, DRY	5,189			5,189					
1494 GYPSUM, CRUDE AND PLASTERS	240			240					
2011 MEAT, FRESH, CHILLED, FROZEN	43	7		76					
2031 FISH AND SHELLFISH, PREPARED	40,486		22,550	70	17,755	71			
2039 PREP FRUIT AND VEG JUICE, NEC	44	9		35					
2042 ANIMAL FEEDS	634			634					
2049 GRAIN MILL PRODUCTS, NEC	45	2		43					
2081 ALCOHOLIC BEVERAGES	13,264	440		12,747	41				
2091 VEGETABLE OILS, MARG, SHORT	20			20					
2094 GROCERIES	13,352	1,491		11,469	189				
2099 MISCELLANEOUS FOOD PRODUCTS	9,344	1,715		7,509	29	26	65		
2211 BASIC TEXTILE PRODUCTS	113	15		98					
2412 RAFTED LOGS	98,418							18,000	80,418
2414 TIMBER, POSTS, POLES, PILING	1,317			1,317					
2416 WOOD CHIPS, STAVES, MOLDINGS	76,528					8,484		61,500	6,544
2421 LUMBER	33,433	1,554	204	18,324	351	544	10,347	25	
2431 VENEER, PLYWOOD, WORKED WOOD	2,076	33		2,043					
2491 WOOD MANUFACTURES, NEC	8,567	350		8,107	45			25	
2511 FURNITURE AND FIXTURES	1,635	173	7	943	381	12	119		
2611 PULP	27,776			269	26,518				989
2621 STANDARD NEWSPRINT PAPER	303	34		269					
2631 PAPER AND PAPERBOARD	642			642					
2691 PULP AND PAPER PRODUCTS, NEC	1,583	171		1,271	141				
2810 SODIUM HYDROXIDE	23,138			23,138					
2811 CRUDE TAR, OIL, GAS PRODUCTS	3	3							
2819 BASIC CHEMICALS AND PROD, NEC	1,772	194		1,578					
2821 PLASTIC MATERIALS	31			31					
2841 SOAP	45			45					
2851 PAINTS	200	14		176	10				
2871 NITROGENOUS CHEM FERTILIZERS	20								20
2879 FERTILIZER AND MATERIALS, NEC	391	1		92	298				
2891 MISCELLANEOUS CHEMICAL PROD	8,904			7,729		43		950	142
2911 GASOLINE	33,178			1,648		2,777		27,971	742
2912 JET FUEL	31,176			17,460		1,132		12,827	157
2914 DISTILLATE FUEL OIL	115,870		66	6,866	510	13,167		91,921	3,384
2915 RESIDUAL FUEL OIL	5,630			5,630					
2916 LUBRICATING OILS AND GREASES	36,148			36,148					
2918 ASPHALT, TAR, AND BITUMENS	6,160	645		5,515					
2921 LIQUEFIED GASES	696	275		423					
2951 ASPHALT BUILDING MATERIALS	461	2		459					
2991 PETROLEUM AND COAL PROD, NEC	1,148	220		928					
3011 RUBBER AND MISC PLASTIC PROD	1,634	55		1,563	14	1	1		
3211 GLASS AND GLASS PRODUCTS	24			19	5				
3241 BUILDING CEMENT	5,015	1,938		2,602				475	
3251 STRUCTURAL CLAY PRODUCTS	455	87		368					
3271 LIME	10			10					
3281 CUT STONE AND STONE PRODUCTS	24			24					
3291 MISC NONMETALLIC MINERAL PROD	14,477	407		14,370	95			25	
3315 IRON, STEEL SHAPES, EXC SHEET	158			158					
3317 IRON AND STEEL PIPE AND TUBE	618			618					
3319 IRON AND STEEL PRODUCTS, NEC	56			56					
3321 NONFERROUS METALS, NEC	66	11		55					
3411 FABRICATED METAL PRODUCTS	12,082	3,821	265	7,694	236	31	37		
3511 MACHINERY, EXCEPT ELECTRICAL	15,173	332	134	4,587	4,032	71	574	4,756	687
3611 ELECTRICAL MACH AND EQUIP	245	67		174			8		
3711 MOTOR VEHICLES, PARTS, EQUIP	5,472	303	176	4,027	887	15	62	2	
3731 SHIPS AND BOATS	938	287	2	574	75				
3791 MISC TRANSPORTATION EQUIPMENT	648	24	11	535	78				
3911 MISC MANUFACTURED PRODUCTS	415	83		330			2		
4011 IRON AND STEEL SCRAP	378				378				

ALASKA DISTRICT

77

KANGELL NARROWS, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE				INTERNAL			
		RECEIPTS	SHIPMENTS	UPBOUND	DOWNBOUND	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
4112 COMMODITIES, NEC-----	68,096	2,221	1,102	46,152	14,677	456	522	2,009	957
4119 EMPTY CONTAINERS-----	2,221	-----	54	191	1,968	-----	8	-----	-----
TOTAL TON-MILES, 17,730,987.									

SITKA HARBOR, ALASKA

SECTION INCLUDED: FROM THE ALASKA LUMBER & PULP CO. MILL IN SILVER BAY ON THE SOUTH TO STARRIGAVEN BAY ON THE NORTH INCLUDING THE SITKA CENTRAL WATERFRONT AND JAPONSKI ISLAND. CONTROLLING DEPTH: 22 FEET AT MLL IN WESTERN CHANNEL AND 11 FEET IN SMALL BOAT BASIN. PROJECT DEPTH: 22 FEET IN WESTERN CHANNEL; 10 FEET IN SMALL BOAT BASIN AND APPROACH CHANNEL. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1976-----	615,654	382,074	997,728	23,837	1981-----	534,276	389,835	924,111	33,889
1977-----	551,405	3,889	555,294	16,757	1982-----	395,356	-----	395,356	26,996
1978-----	504,184	384,193	888,377	29,420	1983-----	508,119	-----	508,119	35,376
1979-----	520,827	-----	520,827	11,666	1984-----	594,203	305,556	899,759	38,605
1980-----	653,229	361,146	1,014,375	32,196	1985-----	578,240	314,788	893,028	65,204

ADDITIONAL TRAFFIC

YEAR	CAR FERRY-RAILROAD CARS			GENERAL FERRY		YEAR	CAR FERRY-RAILROAD CARS			GENERAL FERRY	
	EMPTY	LOADED	TOTAL	VEHICLES	PASSENGERS		EMPTY	LOADED	TOTAL	VEHICLES	PASSENGERS
1976-----	-----	-----	*	4,873	23,837	1981-----	-----	-----	*	6,455	33,889
1977-----	-----	-----	*	4,053	16,757	1982-----	-----	-----	*	4,702	26,996
1978-----	-----	-----	*	4,674	20,420	1983-----	-----	-----	*	6,657	35,376
1979-----	-----	-----	*	2,278	11,666	1984-----	-----	-----	*	7,050	38,605
1980-----	-----	-----	*	6,092	32,196	1985-----	-----	-----	*	-----	65,204

* CARGO REPORTED AS FREIGHT TRAFFIC.

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC			
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	LOCAL	
TOTAL-----	693,068	5,443	82,774	115,981	49,875	436,612	2,180	200	
0131 FRESH FRUITS-----	23	-----	-----	23	-----	-----	-----	-----	
0141 FRESH AND FROZEN VEGETABLES-----	22	-----	-----	22	-----	-----	-----	-----	
0191 MISCELLANEOUS FARM PRODUCTS-----	58	-----	-----	58	-----	-----	-----	-----	
0911 FRESH FISH, EXCEPT SHELLFISH-----	33,694	-----	5,171	30	68	28,425	-----	-----	
1442 SAND, GRAVEL, CRUSHED ROCK-----	4,200	-----	-----	-----	-----	4,200	-----	-----	
1491 SALT-----	725	-----	-----	725	3	-----	-----	-----	
1492 SULPHUR, DRY-----	5,199	-----	-----	5,199	-----	-----	-----	-----	
2011 MEAT, FRESH, CHILLED, FROZEN-----	2	-----	-----	-----	2	-----	-----	-----	
2031 FISH AND SHELLFISH, PREPARED-----	7,308	-----	50	-----	7,217	-----	41	-----	
2039 PREP FRUIT AND VEG JUICE, NEC-----	4	-----	-----	-----	4	-----	-----	-----	
2049 GRAIN MILL PRODUCTS, NEC-----	35	-----	-----	35	-----	-----	-----	-----	
2081 ALCOHOLIC BEVERAGES-----	851	-----	-----	737	114	-----	-----	-----	
2094 GROCERIES-----	3,041	-----	-----	3,038	-----	-----	3	-----	
2099 MISCELLANEOUS FOOD PRODUCTS-----	2,745	-----	-----	2,745	-----	-----	-----	-----	
2211 BASIC TEXTILE PRODUCTS-----	9	-----	-----	3	-----	-----	6	-----	
2412 RAFTED LOGS-----	318,788	-----	-----	-----	-----	318,788	-----	-----	
2414 TIMBER, POSTS, POLES, PILING-----	31	-----	-----	11	-----	-----	20	-----	
2415 PULPMOOD, LOGS-----	11,085	4,643	-----	4,717	-----	1,685	-----	-----	
2416 WOOD CHIPS, STAVES, HOLDINGS-----	62,700	-----	-----	-----	-----	62,700	-----	-----	
2421 LUMBER-----	5,039	-----	-----	4,293	669	-----	77	-----	
2431 VENEER, PLYWOOD, WORKED WOOD-----	116	-----	-----	116	-----	-----	4	-----	
2491 WOOD MANUFACTURES, NEC-----	3,244	-----	-----	2,553	666	-----	25	-----	
2511 FURNITURE AND FIXTURES-----	395	-----	-----	236	151	-----	8	-----	
2611 PULP-----	105,324	77,548	-----	269	26,518	-----	989	-----	
2621 STANDARD NEWSPRINT PAPER-----	33	-----	-----	33	-----	-----	-----	-----	
2631 PAPER AND PAPERBOARD-----	642	-----	-----	-----	642	-----	-----	-----	
2691 PULP AND PAPER PRODUCTS, NEC-----	1,144	-----	-----	998	146	-----	-----	-----	
2810 SODIUM HYDROXIDE-----	23,138	-----	-----	23,138	-----	-----	-----	-----	
2819 BASIC CHEMICALS AND PROD, NEC-----	1,450	-----	-----	1,392	-----	-----	58	-----	
2821 PLASTIC MATERIALS-----	17	-----	-----	17	-----	-----	-----	-----	
2841 SOAP-----	44	-----	-----	44	-----	-----	-----	-----	
2851 PAINTS-----	46	-----	-----	46	-----	-----	-----	-----	
2871 NITROGENOUS CHEM FERTILIZERS-----	59	-----	-----	-----	-----	-----	39	-----	
2879 FERTILIZER AND MATERIALS, NEC-----	335	-----	-----	37	298	-----	-----	-----	
2891 MISCELLANEOUS CHEMICAL PROD-----	7,784	-----	-----	7,784	-----	-----	-----	-----	
2911 GASOLINE-----	5,354	-----	-----	807	-----	4,542	5	-----	
2912 JET FUEL-----	3,108	-----	-----	103	-----	3,005	-----	-----	

SITKA HARBOR, ALASKA--CONTINUED
 FREIGHT TRAFFIC, 1985--CONTINUED
 (SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2914 DISTILLATE FUEL OIL-----	18,990			2,927		15,954	109	
2915 RESIDUAL FUEL OIL-----	5,630			5,630				
2916 LUBRICATING OILS AND GREASES-----	36,130			36,130				
2918 ASPHALT, TAR, AND PITCHES-----	962			962				
2921 LIQUEFIED GASES-----	443			414			29	
2951 ASPHALT BUILDING MATERIALS-----	10			10				
2991 PETROLEUM AND COAL PROD, NEC-----	163			163				
3011 RUBBER AND MISC PLASTIC PROD-----	1,415			1,407	8			
3241 BUILDING CEMENT-----	1,057	800		257				
3251 STRUCTURAL CLAY PRODUCTS-----	256			256				
3291 MISC NONMETALLIC MINERAL PROD-----	2,749			1,684	665			200
3315 IRON, STEEL SHAPES, EXC SHEET-----	1					1		
3317 IRON AND STEEL PIPE AND TUBE-----	67			67				
3319 IRON AND STEEL PRODUCTS, NEC-----	10			10				
3321 NONFERROUS METALS, NEC-----	17			17				
3411 FABRICATED METAL PRODUCTS-----	1,103			844	229	21		9
3511 MACHINERY, EXCEPT ELECTRICAL-----	3,408			603	2,473	200		132
3611 ELECTRICAL MACH AND EQUIP-----	58			48				10
3711 MOTOR VEHICLES, PARTS, EQUIP-----	623			380	117			126
3731 SHIPS AND BOATS-----	87			86	1			
3791 MISC TRANSPORTATION EQUIPMENT-----	81			81				
3911 MISC MANUFACTURED PRODUCTS-----	7							7
4011 IRON AND STEEL SCRAP-----	208				208			
4112 COMMODITIES, NEC-----	15,588			8,597	9,492	1,011		483
4119 EMPTY CONTAINERS-----	273			86	187			

SERGIUS AND WHITESTONE NARROWS, ALASKA

SECTION INCLUDED: CHANNELS THROUGH SERGIUS AND WHITESTONE NARROWS. CONTROLLING DEPTH: PROJECT DEPTH AVAILABLE EXCEPT FOR PINNACLES TO 23.5 FEET AT WEST FRANCIS ROCK (SERGIUS NARROWS). PROJECT DEPTH: 24 FEET.

COMPARATIVE STATEMENT OF TRAFFIC
 (SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1976-----	170,002	373,861	543,863	1981-----	334,072	221,407	555,479
1977-----	378,571	3,889	382,460	1982-----	261,131		261,131
1978-----	328,883	384,143	713,026	1983-----	248,334		248,334
1979-----	354,119		354,119	1984-----	365,690	261,456	627,146
1980-----	580,678	361,146	941,824	1985-----	297,993	314,748	612,741

* PASSENGERS--4,904.

FREIGHT TRAFFIC, 1985

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL	
		NORTHBOUND	SOUTHBOUND	NORTHBOUND	SOUTHBOUND
TOTAL-----	612,741	52,275	125,046	14,415	421,005
0122 HAY AND FEED-----	49		49		
0131 FRESH FRUITS-----	23		23		
0141 FRESH AND FROZEN VEGETABLES-----	22		22		
0191 MISCELLANEOUS FARM PRODUCTS-----	58		58		
0911 FRESH FISH, EXCEPT SHELLFISH-----	113	50	63		
1442 SAND, GRAVEL, CRUSHED ROCK-----	4,200				4,200
1451 CLAY-----	43		43		
1491 SALT-----	737		737		
1492 SULPHUR, DRY-----	5,199		5,199		
2011 MEAT, FRESH, CHILLED, FROZEN-----	14		14		
2031 FISH AND SHELLFISH, PREPARED-----	8,890	7,058	895	37	
2039 PREP FRUIT AND VEG JUICE, NEC-----	22		22		
2042 ANIMAL FEEDS-----	229	17	212		
2049 GRAIN MILL PRODUCTS, NEC-----	35		35		
2081 ALCOHOLIC BEVERAGES-----	1,113	81	1,032		
2091 VEGETABLE OILS, MARG, SHORT-----	20		20		
2094 GROCERIES-----	3,137	20	3,114	3	
2099 MISCELLANEOUS FOOD PRODUCTS-----	2,564		2,564		
2211 BASIC TEXTILE PRODUCTS-----	42		42		
2412 RAFTED LOGS-----	314,788				314,788
2414 TIMBER, POSTS, POLES, PILING-----	38		38		
2415 PULPMOOD, LOGS-----	1,685				1,685
2416 WOOD CHIPS, STAVES, HOLDINGS-----	62,700				62,700
2421 LUMBER-----	6,969	248	6,721	51	
2431 VENEER, PLYWOOD, WORKED WOOD-----	259				
2491 WOOD MANUFACTURES, NEC-----	5,013	88	4,890	25	
2511 FURNITURE AND FIXTURES-----	880	308			
2611 PULP-----	27,776	26,518	269	980	
2621 STANDARD NEWSPRINT PAPER-----	33		33		
2631 PAPER AND PAPERBOARD-----	642	642			
2691 PULP AND PAPER PRODUCTS, NEC-----	1,070	141	929		
2810 SODIUM HYDROXIDE-----	23,138		23,138		

ALASKA DISTRICT

79

SERGIUS AND WHITESTONE NARROWS, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL	
		THROUGH	THROUGH	THROUGH	THROUGH
		NORTHBOUND	SOUTHBOUND	NORTHBOUND	SOUTHBOUND
2819 BASIC CHEMICALS AND PROD, NEC	1,409		1,409		
2821 PLASTIC MATERIALS	17		17		
2841 SOAP	44		44		
2851 PAINTS	69		69		
2871 NITROGENOUS CHEM FERTILIZERS	20			20	
2879 FERTILIZER AND MATERIALS, NEC	347	310	37		
2891 MISCELLANEOUS CHEMICAL PROD	7,989		7,704	285	192
2911 GASOLINE	9,165		622	1,994	6,549
2912 JET FUEL	3,921			458	3,463
2914 DISTILLATE FUEL OIL	37,137	452	2,096	9,284	25,305
2915 RESIDUAL FUEL OIL	5,630		5,630		
2916 LUBRICATING OILS AND GREASES	36,130		36,130		
2918 ASPHALT, TAR, AND PITCHES	962		962		
2921 LIQUEFIED GASES	421		421		
2951 ASPHALT BUILDING MATERIALS	13		13		
2991 PETROLEUM AND COAL PROD, NEC	163		163		
3011 RUBBER AND MISC PLASTIC PROD	1,427	14	1,413		
3211 GLASS AND GLASS PRODUCTS	29	5	24		
3241 BUILDING CEMENT	258		258		
3251 STRUCTURAL CLAY PRODUCTS	256		256		
3291 MISC NONMETALLIC MINERAL PROD	4,674	41	4,597		
3315 IRON, STEEL SHAPES, EXC SHEET	1				1
3317 IRON AND STEEL PIPE AND TUBE	67		67		
3319 IRON AND STEEL PRODUCTS, NEC	12		12		
3321 NONFERROUS METALS, NEC	17		17		
3411 FABRICATED METAL PRODUCTS	1,591	230	1,331	9	21
3511 MACHINERY, EXCEPT ELECTRICAL	5,147	2,805	2,050	88	204
3611 ELECTRICAL MACH AND EQUIP	76		65	10	
3711 MOTOR VEHICLES, PARTS, EQUIP	1,237	359	771	107	
3731 SHIPS AND BOATS	165	61	104		
3791 MISC TRANSPORTATION EQUIPMENT	230	32	198		
3911 MISC MANUFACTURED PRODUCTS	324		321	7	
4011 IRON AND STEEL SCRAP	946	377	169		
4112 COMMODITIES, NEC	20,360	10,562	6,690	1,215	1,993
4119 EMPTY CONTAINERS	1,418	779	639		

JUNEAU HARBOR, ALASKA

SECTION INCLUDED: THE NORTHSIDE OF GASTINEAU CHANNEL INCLUDING THE AURORA BASIN SMALL BOAT HARBOR, THE CITY DOCK FACILITY HAS A 200 FOOT SEA PLANE AND MEDIUM DRAFT DOCK AND A 500 FOOT COMMERCIAL DOCK WITH A 40 FOOT DEPTH. THREE AREA SMALL BOAT HARBORS ACCOMMODATE 2,700 SMALL BOATS AND HAVE WATER DEPTHS OF 10 TO 20 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1976	167,115	1981	224,245
1977	151,540	1982	246,397
1978	164,415	1983	227,364
1979	218,176	1984	277,564
1980	179,619	1985	346,503

* PASSENGERS--3,266.

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL	346,503	5,025	123,592	115,364	7,592	88,647
0122 MEAT AND FODDER	239			239		
0131 FRESH FRUITS	1			1		
0191 MISCELLANEOUS FARM PRODUCTS	63			63		
0911 FRESH FISH, EXCEPT SHELLFISH	936		836	52	88	
0912 SHELLFISH, EXCEPT PREPARED	26,948		33		26,915	
1402 SAND, GRAVEL, CRUSHED ROCK	4,221	20		1		4,200
1451 CLAY	15	15				
1491 SALT	59			59		
1494 GYPSUM, CRUDE AND PLASTERS	213			213		
2011 MEAT, FRESH, CHILLED, FROZEN	63			63		
2031 FISH AND SHELLFISH, PREPARED	1,192		3		1,189	
2042 ANIMAL FEEDS	187			187		
2049 GRAIN MILL PRODUCTS, NEC	48			48		
2091 ALCOHOLIC BEVERAGES	11,393			11,392		1
2094 GROCERIES	8,122			8,034	88	
2099 MISCELLANEOUS FOOD PRODUCTS	5,025			5,025		
2211 BASIC TEXTILE PRODUCTS	10			10		
2411 LOGS	121,253		121,253			
2414 TIMBER, POSTS, POLES, PILING	937			937		
2421 LUMBER	8,856			8,832	24	
2431 VENEER, PLYWOOD, WORKED WOOD	1,357			1,357		
2491 WOOD MANUFACTURES, NEC	2,824			2,812	12	
2511 FURNITURE AND FIXTURES	631			612	19	
2621 STANDARD NEWSPRINT PAPER	236			236		

Waterborne Commerce of the United States, 1985

JUNEAU HARBOR, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2891 PULP AND PAPER PRODUCTS, NEC-----	327			327				
2819 BASIC CHEMICALS AND PROD, NEC-----	169			169				
2821 PLASTIC MATERIALS-----	11			11				
2841 SOAP-----	1			1				
2851 PAINTS-----	1			107	10			
2879 FERTILIZER AND MATERIALS, NEC-----	38			38				
2891 MISCELLANEOUS CHEMICAL PROD-----	25			25				
2911 GASOLINE-----	22,592			5,895		16,697		
2912 JET FUEL-----	8,649			3,083		5,566		
2914 DISTILLATE FUEL OIL-----	43,774			6,361		37,413		
2915 RESIDUAL FUEL OIL-----	1,466		1,466					
2918 ASPHALT, TAR, AND PITCHES-----	4,553			4,553				
2921 LIQUEFIED GASES-----	31			30	1			
2951 ASPHALT BUILDING MATERIALS-----	259			259				
2991 PETROLEUM AND COAL PROD, NEC-----	765			765				
3011 RUBBER AND MISC PLASTIC PROD-----	91			46	5			
3111 LEATHER AND LEATHER PRODUCTS-----	10	10						
3211 GLASS AND GLASS PRODUCTS-----	5				5			
3241 BUILDING CEMENT-----	7,181	4,960		2,221				
3251 STRUCTURAL CLAY PRODUCTS-----	112			112				
3281 CUT STONE AND STONE PRODUCTS-----	159			159				
3291 MISC NONMETALLIC MINERAL PROD-----	8,436	18		8,775	13		10	20
3315 IRON, STEEL SHAPES, EXC SHEET-----	127			126			1	
3317 IRON AND STEEL PIPE AND TUBE-----	528			528				
3319 IRON AND STEEL PRODUCTS, NEC-----	30			30				
3321 NONFERROUS METALS, NEC-----	38			38				
3411 FABRICATED METAL PRODUCTS-----	5,435			5,410	4		21	
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,976	1		1,890	608		477	
3611 ELECTRICAL MACH AND EQUIP-----	90		1	89				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	3,721	1		3,148	567	2	1	
3731 SHIPS AND BOATS-----	450			425	25			
3791 MISC TRANSPORTATION EQUIPMENT-----	276			208	61		6	
3911 MISC MANUFACTURED PRODUCTS-----	89			9			80	
4011 IRON AND STEEL SCRAP-----	170				170			
4112 COMMODITIES, NEC-----	37,054			30,234	1,331	2,054	1,035	
4119 EMPTY CONTAINERS-----	1,319			78	1,241			

GASTINEAU CHANNEL, ALASKA

SECTION INCLUDED: GASTINEAU CHANNEL BETWEEN FRITZ COVE IN STEPHENS PASSAGE AND JUNEAU HARBOR. CONTROLLING DEPTHS: PLUS 6 AND 4 FEET ABOVE MEAN LOWER LOW WATER IN SHOULED PORTIONS. PROJECT DEPTH: ZERO AT MLLW BY 75 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1976-----		1981-----	
1977-----		1982-----	
1978-----		1983-----	
1979-----		1984-----	370
1980-----		1985-----	346,503

* NOT LISTED.

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		THROUGH	THROUGH	INROUND	THROUGH
TOTAL-----	346,503	128,617	122,956	20	94,910
0122 HAY AND FORAGER-----	239		239		
0131 FRESH FRUITS-----	1		1		
0191 MISCELLANEOUS FARM PRODUCTS-----	63		63		
0911 FRESH FISH, EXCEPT SHELLFISH-----	936	876	100		
0912 SHELLFISH, EXCEPT PREPARED-----	26,048	33			26,015
1402 SAND, GRAVEL, CRUSHED ROCK-----	4,221	20			4,200
1451 CLAY-----	15	15			
1491 SALT-----	59		59		
1494 GYPSUM, CRUDE AND PLASTERS-----	213		213		
2011 MEAT, FRESH, CHILLED, FROZEN-----	63		63		
2031 FISH AND SHELLFISH, PREPARED-----	1,192	3	1,189		
2042 ANIMAL FEEDS-----	187		187		
2049 GRAIN MILL PRODUCTS, NEC-----	48		48		
2081 ALCOHOLIC BEVERAGES-----	11,393		11,393		1
2090 GROCERIES-----	8,122		8,122		
2099 MISCELLANEOUS FOOD PRODUCTS-----	5,025		5,025		
2211 BASIC TEXTILE PRODUCTS-----	10		10		
2411 LOGS-----	121,253	121,253			
2414 TIMBER, POSTS, POLES, PILING-----	937		937		
2421 LUMBER-----	8,836		8,836		20
2431 VENEER, PLYWOOD, WORKED WOOD-----	1,357		1,357		
2491 WOOD MANUFACTURES, NEC-----	2,824		2,815		9
2511 FURNITURE AND FIXTURES-----	831		831		
2621 STANDARD NEWSPRINT PAPER-----	236		236		
2691 PULP AND PAPER PRODUCTS, NEC-----	327		327		

ALASKA DISTRICT

81

GASTINEAU CHANNEL, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN THROUGH	DOMESTIC	
			COASTWISE THROUGH	INTERNAL THROUGH
2819 BASIC CHEMICALS AND PROD, NEC-----	169		169	
2821 PLASTIC MATERIALS-----	11		11	
2841 SOAP-----	1		1	
2851 PAINTS-----	117		117	
2879 FERTILIZER AND MATERIALS, NEC-----	38		38	
2891 MISCELLANEOUS CHEMICAL PROD-----	25		25	
2911 GASOLINE-----	22,592		5,895	16,697
2912 JET FUEL-----	8,649		3,083	5,566
2914 DISTILLATE FUEL OIL-----	43,774		6,361	37,413
2915 RESIDUAL FUEL OIL-----	1,466			
2918 ASPHALT, TAR, AND PITCHES-----	4,553		4,553	
2921 LIQUEFIED GASES-----	31		31	
2951 ASPHALT BUILDING MATERIALS-----	259		259	
2991 PETROLEUM AND COAL PROD, NEC-----	765		765	
3011 RUBBER AND MISC PLASTIC PROD-----	91		91	
3111 LEATHER AND LEATHER PRODUCTS-----	10	10		
3211 GLASS AND GLASS PRODUCTS-----	5		5	
3241 BUILDING CEMENT-----	7,181	4,960	2,221	
3251 STRUCTURAL CLAY PRODUCTS-----	112		112	
3281 CUT STONE AND STONE PRODUCTS-----	159		159	
3291 MISC NONMETALLIC MINERAL PROD-----	8,836	18	8,788	20
3315 IRON, STEEL SHAPES, EXC SHEET-----	127		126	1
3317 IRON AND STEEL PIPE AND TUBE-----	528		528	
3319 IRON AND STEEL PRODUCTS, NEC-----	30		30	
3321 NONFERROUS METALS, NEC-----	38		38	
3411 FABRICATED METAL PRODUCTS-----	5,435		5,414	21
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,976	1	2,494	477
3611 ELECTRICAL MACH AND EQUIP-----	90	1	89	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	3,721	1	3,715	5
3731 SHIPS AND BOATS-----	450		450	
3791 MISC TRANSPORTATION EQUIPMENT-----	276		270	6
3911 MISC MANUFACTURED PRODUCTS-----	89		9	80
4011 IRON AND STEEL SCRAP-----	170		170	
4112 COMMODITIES, NEC-----	37,058		33,565	3,489
4119 EMPTY CONTAINERS-----	1,319		1,319	
TOTAL TON-MILES, 2,771,884.				

VALDEZ HARBOR, ALASKA

SECTION INCLUDED: ENTIRE WATERFRONT FROM POINT OF LAND WEST OF FERRY TERMINAL EASTERLY TO ALASKA HYDROTRAIN DOCK. EASTERN PART OF PORT VALDEZ FROM THE FERRY TERMINAL ON THE NORTH TO THE TRANS-ALASKA PIPELINE TERMINAL ON THE SOUTH. CONTROLLING DEPTH: 12 FEET IN THE SMALL BASIN. PROJECT DEPTH: 12 FEET, EXCEPT 20 FEET AT FERRY TERMINAL, 50 FEET OFF THE CITY DOCK, 75 FEET OFF THE VALDEZ DOCK, AND 0.0 AT SONTAG & ALASKA HYDROTRAIN FACILITIES. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1976-----	507,672	1981-----	84,842,803
1977-----	10,666,972	1982-----	90,138,462
1978-----	55,551,933	1983-----	93,536,165
1979-----	65,452,418	1984-----	92,047,495
1980-----	85,973,086	1985-----	99,624,406

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	99,624,406	36,211	4,085	31,845	99,527,140
0911 FRESH FISH, EXCEPT SHELLFISH-----	3,915		3,895		20
1311 CRUDE PETROLEUM-----	99,478,196				99,478,196
2031 FISH AND SHELLFISH, PREPARED-----	410		190		220
2049 GRAIN MILL PRODUCTS, NEC-----	33			33	
2094 GROCERIES-----	362			362	
2099 MISCELLANEOUS FOOD PRODUCTS-----	175			175	
2421 LUMBER-----	892			889	3
2431 VENEER, PLYWOOD, WORKED WOOD-----	44			44	
2491 WOOD MANUFACTURES, NEC-----	19,163			2,474	227
2511 FURNITURE AND FIXTURES-----	32			10	22
2691 PULP AND PAPER PRODUCTS, NEC-----	7			7	
2851 PAINTS-----	4			4	
2879 FERTILIZER AND MATERIALS, NEC-----	34			34	
2911 GASOLINE-----	17,119			4,032	11,570
2912 JET FUEL-----	6,186				5,866
2914 DISTILLATE FUEL OIL-----	52,889			15,467	31,412
2915 RESIDUAL FUEL OIL-----	4,894			4,894	
2991 PETROLEUM AND COAL PROD, NEC-----	56			56	
3241 BUILDING CEMENT-----	29			29	
3291 MISC NONMETALLIC MINERAL PROD-----	1,206			1,203	3
3317 IRON AND STEEL PIPE AND TUBE-----	28,623	28,623			
3411 FABRICATED METAL PRODUCTS-----	7,780	7,550		230	
3511 MACHINERY, EXCEPT ELECTRICAL-----	504	38		409	57

Waterborne Commerce of the United States, 1985

VALDEZ HARBOR, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1985--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	COASTWISE RECEIPTS SHIPMENTS	INTERNAL RECEIPTS SHIPMENTS
3611 ELECTRICAL MACH AND EQUIP-----				1	
3711 MOTOR VEHICLES, PARTS, EQUIP-----				80	17
3731 SHIPS AND BOATS-----	117			16	
3791 MISC TRANSPORTATION EQUIPMENT-----	16			66	
4112 COMMODITIES, NEC-----	1,143			794	127
					20

SEWARD HARBOR, ALASKA

SECTION INCLUDED: ALASKA RAILROAD DOCK AND THE SEWARD BOAT BASIN INCLUDING THE CITY DOCK. CONTROLLING DEPTHS: 35 FEET BELOW MEAN LOWER LOW WATER AT THE RAILROAD DOCK; 15 FEET IN THE 200 FOOT ENTRANCE CHANNEL TO THE BOAT BASIN AND AT THE CITY DOCK; 25 FEET IN THE BOAT MOORING AREA.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1976-----	236,722	7,796	1981-----	113,002	9,365
1977-----	89,449	6,866	1982-----	137,114	9,072
1978-----	92,554	8,404	1983-----	40,744	6,254
1979-----	59,754	3,918	1984-----	354,612	9,422
1980-----	137,449	9,177	1985-----	472,423	

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	COASTWISE RECEIPTS SHIPMENTS	INTERNAL RECEIPTS SHIPMENTS
TOTAL-----	472,623	51,734	605,273	171,956	43,840
0911 FRESH FISH, EXCEPT SHELLFISH-----	14,332		14,332		
0912 SHELLFISH, EXCEPT PREPARED-----	1,322		1,322		
1121 COAL AND LIGNITE-----	589,289		589,289		
2031 FISH AND SHELLFISH, PREPARED-----	330		330		
2211 BASIC TEXTILE PRODUCTS-----	12		12		
2421 LUMBER-----	573			553	20
2491 WOOD MANUFACTURES, NEC-----	1,998			1,978	20
2813 ALCOHOLS-----	27		27		
2819 BASIC CHEMICALS AND PROD, NEC-----	64			64	
2879 FERTILIZER AND MATERIALS, NEC-----	447			447	
2911 GASOLINE-----	129		129		
2914 DISTILLATE FUEL OIL-----	6,896			6,896	
3011 RUBBER AND MISC PLASTIC PROD-----	4		4		
3241 BUILDING CEMENT-----	1,895		1,895		
3291 MISC NONMETALLIC MINERAL PROD-----	572			552	20
3315 IRON, STEEL SHAPES, EXC SHEET-----	968		968		
3317 IRON AND STEEL PIPE AND TUBE-----	45,566	45,550		227	
3411 FABRICATED METAL PRODUCTS-----	2,309	2,346			1
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,904	410		440	650
3611 ELECTRICAL MACH AND EQUIP-----	37	37			4
3711 MOTOR VEHICLES, PARTS, EQUIP-----	76				
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1	1			
4011 IRON AND STEEL SCRAP-----	107				107
4112 COMMODITIES, NEC-----	203,925	542		160,327	43,936

ANCHORAGE, ALASKA

SECTION INCLUDED: KNIK ARM FROM THE MUNICIPAL TERMINAL ON THE NORTH TO AND INCLUDING TERMINAL FACILITIES ON SHIP CREEK. CONTROLLING DEPTHS: 35 FEET OFF THE FACE OF THE CITY DOCK; THE APPROACH CHANNEL NORTH OF FIRE ISLAND, TO POINT MORONZOF, 28.5 FEET. PROJECT DEPTHS: 35 FEET. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC		YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC	
			GENERAL FERRY	VEHICLES PASSENGERS				GENERAL FERRY	VEHICLES PASSENGERS
1976-----	2,932,968				1981-----	2,259,941			
1977-----	2,267,081				1982-----	1,998,185			
1978-----	2,226,158				1983-----	2,424,432			
1979-----	1,638,747				1984-----	2,382,726			
1980-----	1,751,640				1985-----	1,939,441			

ALASKA DISTRICT

83

ANCHORAGE, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1965

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		INTERNAL	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	1,930,441	195,333	44,068	1,535,500	146,244	3,381	14,865
0104 OATS-----	40			40			
0105 RICE-----	23			23			
0122 HAY AND FODDER-----	129			129			
0131 FRESH FRUITS-----	17,684			17,684			
0132 BANANAS AND PLANTAINS-----	2,664			2,664			
0141 FRESH AND FROZEN VEGETABLES-----	17,747			17,747			
0151 LIVE ANIMALS-----	33			21	12		
0161 ANIMALS AND PRODUCTS, NEC-----	2,296			2,296			
0861 FOREST PRODUCTS, NEC-----	997			997			
0911 FRESH FISH, EXCEPT SHELLFISH-----	38,265		38,259	6			
0912 SHELLFISH, EXCEPT PREPARED-----	2,870		2,849	21			
1091 NONFERROUS ORES, CONCENT, NEC-----	33		33				
1442 SAND, GRAVEL, CRUSHED ROCK-----	12,256	109		127			12,000
1451 CLAY-----	8,268	2,771		1,497			
1471 PHOSPHATE ROCK-----	100	100					
1491 SALT-----	16,206	15,943		232	51		
1899 NONMETALLIC MINERALS, NEC-----	2,187			2,143	44		
2011 MEAT, FRESH, CHILLED, FROZEN-----	12,756			12,756			
2021 DAIRY PRODUCTS, NEC-----	36,483			36,483			
2031 FISH AND SHELLFISH, PREPARED-----	20,671		2,380	84	18,207		
2034 VEGETABLES AND PREP, NEC-----	154			154			
2041 WHEAT FLOUR AND SEMOLINA-----	12			12			
2042 ANIMAL FEEDS-----	601		309	332			
2049 GRAIN MILL PRODUCTS, NEC-----	40			40			
2062 MOLASSES-----	66			66			
2081 ALCOHOLIC BEVERAGES-----	5,622	60		5,559	3		
2091 VEGETABLE OILS, WARG, SHORT-----	15			15			
2094 GROCERIES-----	134,099			134,033	66		
2095 ICE-----	41			41			
2099 MISCELLANEOUS FOOD PRODUCTS-----	34,648	29		34,619			
2111 TOBACCO MANUFACTURES-----	1,230			1,230			
2211 BASIC TEXTILE PRODUCTS-----	149	26		122	1		
2212 TEXTILE FIBERS, NEC-----	63			63			
2413 FUEL WOOD, CHARCOAL, WASTES-----	158			158			
2414 TIMBER, POSTS, POLES, PILING-----	437			280	157		
2421 LUMBER-----	37,514	441		36,853	220		
2431 VENEER, PLYWOOD, WORKED WOOD-----	458			441	17		
2491 WOOD MANUFACTURES, NEC-----	93,366	12		92,850	520		
2511 FURNITURE AND FIXTURES-----	16,294	170		8,994	7,110		
2621 STANDARD NEWSPRINT PAPER-----	7,284	4,212	233	2,439			
2631 PAPER AND PAPERBOARD-----	30			30			
2691 PULP AND PAPER PRODUCTS, NEC-----	6,251	28		6,222	1		
2711 PRINTED MATTER-----	79			79			
2813 ALCOHOLS-----	127	48		40	59		
2819 BASIC CHEMICALS AND PROD, NEC-----	6,674	137		6,507	30		
2821 PLASTIC MATERIALS-----	140	18		112	10		
2822 SYNTHETIC RUBBER-----	20			20			
2841 SOAP-----	914	16		898			
2851 PAINTS-----	403			403			
2871 NITROGENOUS CHEM FERTILIZERS-----	121			121			
2872 POTASSIC CHEM FERTILIZERS-----	100	100					
2879 FERTILIZER AND MATERIALS, NEC-----	6,008			6,008			
2891 MISCELLANEOUS CHEMICAL PROD-----	921	11		910			
2911 GASOLINE-----	46,973	5,298		41,675			
2912 JET FUEL-----	276,977	51,126		223,922		1,929	
2914 DISTILLATE FUEL OIL-----	238			165	73		
2916 LUBRICATING OILS AND GREASES-----	635			635			
2917 NAPHTHA, PETROLEUM SOLVENTS-----	25			25			
2918 ASPHALT, TAR, AND BITUMENS-----	201			201			
2921 LIQUEFIED GASES-----	455	300		155			
2951 ASPHALT BUILDING MATERIALS-----	145			133	12		
2991 PETROLEUM AND COAL PROD, NEC-----	10,376			10,376			
3011 RUBBER AND MISC PLASTIC PROD-----	12,254	118		2,569	9,567		
3111 LEATHER AND LEATHER PRODUCTS-----	12			12			
3211 GLASS AND GLASS PRODUCTS-----	465			461	4		
3241 PORTLAND CEMENT-----	126,035	85,635		40,002	308		
3251 STRUCTURAL CLAY PRODUCTS-----	259			259			
3271 LIME-----	281	94		187			
3281 CUT STONE AND STONE PRODUCTS-----	172			172			
3291 MISC NONMETALLIC MINERAL PROD-----	32,365			32,201	164		
3314 IRON AND STEEL PRIMARY FORMS-----	837			837			
3315 IRON, STEEL SHAPES, EXC SHEET-----	8,608	4,894		3,694	30		
3316 IRON AND STEEL PLATES, SHEETS-----	68			33	35		
3317 IRON AND STEEL PIPE AND TUBE-----	38,599	18,078		19,244	1,277		
3319 IRON AND STEEL PRODUCTS, NEC-----	117			1	116		
3321 NONFERROUS METALS, NEC-----	46			46			
3322 COPPER ALLOYS, UNWORKED-----	1				1		
3323 LEAD AND ZINC, UNWORKED-----	6						
3411 FABRICATED METAL PRODUCTS-----	26,595	3,222		22,744	585		40
3511 MACHINERY, EXCEPT ELECTRICAL-----	43,185	370		15,216	23,912	1,448	2,239
3611 ELECTRICAL MACH AND EQUIP-----	1,146	29		996	15		106
3711 MOTOR VEHICLES, PARTS, EQUIP-----	11,239	1,803	3	2,467	6,927	4	35
3731 SHIPS AND BOATS-----	615			578	37		
3791 MISC TRANSPORTATION EQUIPMENT-----	527			498	29		
3811 INSTR, TIME, PHOTO, OPT GOODS-----	46	10		34			
3911 MISC MANUFACTURED PRODUCTS-----	875			467			407
4011 IRON AND STEEL SCRAP-----	7,232				7,232		
4112 COMMODITIES, NEC-----	744,911	148	2	677,346	67,355		
4119 EMPTY CONTAINERS-----	5,075			5,050	1,947		38

Waterborne Commerce of the United States, 1985

UNALASKA BAY AND ISLAND, ALASKA

SECTION INCLUDED: ENTIRE HARBOR, CONTROLLING DEPTH: 25 FEET IN ENTRANCE CHANNEL AT MEAN LOWER LOW WATER, PROJECT DEPTH: 25 FEET AT MEAN LOWER LOW WATER.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1976	349,760	1981	677,344
1977	342,324	1982	745,709
1978	374,900	1983	457,897
1979	580,057	1984	528,151
1980	483,946	1985	414,156

FREIGHT TRAFFIC, 1985

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	SHIPMENTS	INTERNAL RECEIPTS	
TOTAL	414,156	1,315	11,260	170,091	123,790	39,437	67,863
0141 FRESH AND FROZEN VEGETABLES	1		1				
0911 FRESH FISH, EXCEPT SHELLFISH	47,269		7,024	404		39,817	
0912 SHELLFISH, EXCEPT PREPARED	2,174		2,176				
1001 NONFERROUS ORES, CONCENT, NEC	16				16		
1451 CLAY	129			25			99
1491 SALT	1,539	491		744	4		
1499 NONMETALLIC MINERALS, NEC	417			67			350
2011 MEAT, FRESH, CHILLED, FROZEN	377			344	3		
2031 FISH AND SHELLFISH, PREPARED	14,711		787	2,056	11,863		
2039 PREP FRUIT AND VEG JUICE, NEC	601			506			
2042 ANIMAL FEEDS	162						
2049 GRAIN MILL PRODUCTS, NEC	4			4			
2094 GROCERIES	128			74			54
2211 BASIC TEXTILE PRODUCTS	12		12				
2414 TIMBER, POSTS, POLES, PILING	1						
2421 LUMBER	421			364	3		54
2431 VENEER, PLYWOOD, WORKED WOOD	22			1	21		
2491 WOOD MANUFACTURES, NEC	650	180		329	91		54
2631 PAPER AND PAPERBOARD	12			12			
2691 PULP AND PAPER PRODUCTS, NEC	1,523	424		1,084	6		
2711 PRINTED MATTER	1						
2812 DYES, PIGMENT, TANNING MATS	1						
2813 ALCOHOLS	39						
2819 BASIC CHEMICALS AND PROD, NEC	761		721	50			25
2821 PLASTIC MATERIALS	160	13	147				
2822 SYNTHETIC RUBBER	69		69				
2831 DRUGS	6		6				
2841 SOAP	24		24				
2851 PAINTS	29	29					
2871 NITROGENOUS CHEM FERTILIZERS	1						
2879 FERTILIZER AND MATERIALS, NEC	4						
2891 MISCELLANEOUS CHEMICAL PROD	19	5	8	6			
2911 GASOLINE	35,421		5	11,743	16,753		6,924
2912 JET FUEL	77,761			37,179	27,636		12,986
2914 DISTILLATE FUEL OIL	212,826			104,419	63,973		44,444
2916 LUBRICATING OILS AND GREASES	8						
2921 LIQUEFIED GASES	17			17			
2991 PETROLEUM AND COAL PROD, NEC	26		2	11			13
3011 RUBBER AND MISC PLASTIC PROD	17	16			1		
3241 BUILDING CEMENT	335			194			141
3291 MISC NONMETALLIC MINERAL PROD	387			337			50
3316 IRON AND STEEL PLATES, SHEETS	1		1				
3317 IRON AND STEEL PIPE AND TUBE	609			326	405		34
3319 IRON AND STEEL PRODUCTS, NEC	5			5			
3411 FABRICATED METAL PRODUCTS	1,462	37	9	1,391	25		
3511 MACHINERY, EXCEPT ELECTRICAL	1,970	10	61	795	97		1,007
3611 ELECTRICAL MACH AND EQUIP	11		10	1			
3711 MOTOR VEHICLES, PARTS, EQUIP	213		2	206			
3731 SHIPS AND BOATS	15			15			
3791 MISC TRANSPORTATION EQUIPMENT	1						
3811 INSTR, TIME, PHOTO, OPT GOODS	8		1				
3911 MISC MANUFACTURED PRODUCTS	1,680		2	321			1,357
4111 WATER	25						25
4112 COMMODITIES, NEC	9,943	3	2	6,029	2,791		254
4119 EMPTY CONTAINERS	101				101		

ALASKA DISTRICT

85

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	LOCAL TONS MILES	PASSENGERS
PROJECT				
BEITEL HARBOR, ALASKA-----	1121 COAL AND LIGNITE-----	14		
	1442 SAND, GRAVEL, CRUSHED ROCK-----	25,170		
	1491 SALT-----	15		
	2031 FISH AND SHELLFISH, PREPARED-----	400		
	2094 GROCERIES-----	151		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	453		
	2414 TIMBER, POSTS, POLES, PILING-----	5		
	2421 LUMBER-----	1,204		
	2431 VENEER, PLYWOOD, BURNED WOOD-----	201		
	2491 WOOD MANUFACTURES, NEC-----	438		
	2511 FURNITURE AND FIXTURES-----	34		
	2691 PULP AND PAPER PRODUCTS, NEC-----	1		
	2819 BASIC CHEMICALS AND PROD, NEC-----	80		
	2821 PLASTIC MATERIALS-----	17		
	2851 PAINTS-----	5		
	2891 MISCELLANEOUS CHEMICAL PROD-----	2		
	2911 GASOLINE-----	4,400		
	2912 JET FUEL-----	10,458		
	2914 DISTILLATE FUEL OIL-----	4,650		
	2918 LUBRICATING OILS AND GREASES-----	3		
	2921 LIQUEFIED GASES-----	123		
	2951 ASPHALT BUILDING MATERIALS-----	1		
	2991 PETROLEUM AND COAL PROD, NEC-----	14,457		
	3241 BUILDING CEMENT-----	21		
	3291 MISC NONMETALLIC MINERAL PROD-----	428		
	3312 SLAG-----	25		
	3315 IRON, STEEL SHAPES, EXC SHEET-----	4		
	3317 IRON AND STEEL PIPE AND TUBE-----	84		
	3319 IRON AND STEEL PRODUCTS, NEC-----	145		
	3411 FABRICATED METAL PRODUCTS-----	128		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	114		
	3611 ELECTRICAL PARTS AND EQUIP-----	14		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	380		
	3731 SHIPS AND BOATS-----	52		
	3791 MISC TRANSPORTATION EQUIPMENT-----	18		
	4112 COMMODITIES, NEC-----	2,347		
	4119 EMPTY CONTAINERS-----	47		
	TOTAL-----	84,273		
CUNUVA HARBOR, ALASKA-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	34		
	1491 SALT-----	54		
	2031 FISH AND SHELLFISH, PREPARED-----	483		
	2044 GRAIN MILL PRODUCTS, NEC-----	8		
	2081 ALCOHOLIC BEVERAGES-----	151		
	2094 GROCERIES-----	104		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	254		
	2421 LUMBER-----	821		
	2431 VENEER, PLYWOOD, BURNED WOOD-----	80		
	2491 WOOD MANUFACTURES, NEC-----	144		
	2511 FURNITURE AND FIXTURES-----	44		
	2879 FERTILIZER AND MATERIALS, NEC-----	19		
	2911 GASOLINE-----	1,517		
	2912 JET FUEL-----	1,100		
	2914 DISTILLATE FUEL OIL-----	6,433		
	2991 PETROLEUM AND COAL PROD, NEC-----	17		
	3241 BUILDING CEMENT-----	588		
	3291 MISC NONMETALLIC MINERAL PROD-----	194		
	3411 FABRICATED METAL PRODUCTS-----	172		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	194		
	3611 ELECTRICAL PARTS AND EQUIP-----	4		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	14		
	3731 SHIPS AND BOATS-----	53		
	4112 COMMODITIES, NEC-----	2,431		
	4119 EMPTY CONTAINERS-----	32		
	TOTAL-----	16,592		
CHAD HARBOR, ALASKA-----	2911 GASOLINE-----	1,736		
	2912 JET FUEL-----	408		
	2914 DISTILLATE FUEL OIL-----	4,276		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	5		
	4112 COMMODITIES, NEC-----	1,274		
	TOTAL-----	4,197		
DILLINGHAM HARBOR, ALASKA-----	1491 SALT-----	314		
	2011 MEAT, FRESH, CHILLED, FROZEN-----	8		
	2031 FISH AND SHELLFISH, PREPARED-----	1,408		
	2039 PREP FRUIT AND VEG JUICE, NEC-----	12		
	2081 ALCOHOLIC BEVERAGES-----	528		
	2094 GROCERIES-----	443		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	404		
	2414 TIMBER, POSTS, POLES, PILING-----	1		
	2421 LUMBER-----	1,394		
	2431 VENEER, PLYWOOD, BURNED WOOD-----	227		
	2491 WOOD MANUFACTURES, NEC-----	134		
	2511 FURNITURE AND FIXTURES-----	365		
	2691 PULP AND PAPER PRODUCTS, NEC-----	30		
	2819 BASIC CHEMICALS AND PROD, NEC-----	98		
	2851 PAINTS-----	9		
	2911 GASOLINE-----	5,291		
	2912 JET FUEL-----	3,104		
	2914 DISTILLATE FUEL OIL-----	10,555		
	2918 ASPHALT, TAR, AND BITUMENS-----	60		
	2921 LIQUEFIED GASES-----	35		
	2951 ASPHALT BUILDING MATERIALS-----	15		
	2991 PETROLEUM AND COAL PROD, NEC-----	2,429		

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TUN- MILES	PASSENGERS
PROJECT--CONTINUED				
DILLINGHAM HARBOR, ALASKA (CONTINUED)	3011 RUBBER AND MISC PLASTIC PROD	7		
	3241 BUILDING CEMENT	605		
	3291 MISC NONMETALLIC MINERAL PROD	377		
	3312 SLAG	7		
	3315 IRON, STEEL SHAPES, EXC SHEET	15		
	3316 IRON AND STEEL PLATES, SHEETS	19		
	3317 IRON AND STEEL PIPE AND TUBE	96		
	3319 IRON AND STEEL PRODUCTS, NEC	4		
	3411 FABRICATED METAL PRODUCTS	622		
	3511 MACHINERY, EXCEPT ELECTRICAL	740		
	3611 ELECTRICAL MACH AND EQUIP	41		
	3711 MOTOR VEHICLES, PARTS, EQUIP	305		
	3721 AIRCRAFT AND PARTS	1		
	3731 SHIPS AND BOATS	232		
	3791 MISC TRANSPORTATION EQUIPMENT	19		
	4112 COMMODITIES, NEC	3,456		
	4119 EMPTY CONTAINERS	29		
	TOTAL	35,064		
DOUGLAS HARBOR, ALASKA	0912 SHELLFISH, EXCEPT PREPARED	26,915		
	4112 COMMODITIES, NEC	46		
	TOTAL	26,961		
DRY PASS, ALASKA	NO COMMERCE REPORTED			
EGEGIN RIVER, ALASKA	1491 SALT	28		
	2011 MEAT, FRESH, CHILLED, FROZEN	4		
	2031 FISH AND SHELLFISH, PREPARED	228		
	2039 PREP FRUIT AND VEG JUICE, NEC	8		
	2081 ALCOHOLIC BEVERAGES	21		
	2094 GROCERIES	41		
	2421 LUMBER	44		
	2491 WOOD MANUFACTURES, NEC	61		
	2691 PULP AND PAPER PRODUCTS, NEC	9		
	2921 LIQUEFIED GASES	4		
	3291 MISC NONMETALLIC MINERAL PROD	26		
	3317 IRON AND STEEL PIPE AND TUBE	16		
	3411 FABRICATED METAL PRODUCTS	10		
	3511 MACHINERY, EXCEPT ELECTRICAL	64		
	3711 MOTOR VEHICLES, PARTS, EQUIP	16		
	3731 SHIPS AND BOATS	7		
	3791 MISC TRANSPORTATION EQUIPMENT	1		
	4112 COMMODITIES, NEC	417		
	4119 EMPTY CONTAINERS	2		
	TOTAL	603		
ELFIN COVE HARBOR, ALASKA	2911 GASOLINE	163		
	2912 JET FUEL	249		
	2914 DISTILLATE FUEL OIL	458		
	4112 COMMODITIES, NEC	49		
	TOTAL	919		
HEMEN, ALASKA	0122 HAY AND FEEDS	37		
	0861 FOREST PRODUCTS, NEC	12		
	0911 FRESH FISH, EXCEPT SHELLFISH	7,505		
	0912 SHELLFISH, EXCEPT PREPARED	758		
	1451 CLAY	294		
	1491 SALT	62		
	1494 GYPSUM, CRUDE AND PLASTERS	3,638		
	2031 FISH AND SHELLFISH, PREPARED	733		
	2042 ANIMAL FEEDS	586		
	2049 GRAIN MILL PRODUCTS, NEC	154		
	2081 ALCOHOLIC BEVERAGES	225		
	2091 VEGETABLE OILS, RAW, SHORT	20		
	2094 GROCERIES	325		
	2099 MISCELLANEOUS FOOD PRODUCTS	166		
	2211 BASIC TEXTILE PRODUCTS	66		
	2414 LUMBER	27		
	2421 LUMBER	4,046		
	2431 VENEER, PLYWOOD, PUNCHED WOOD	1,413		
	2491 WOOD MANUFACTURES, NEC	855		
	2511 FURNITURE AND FIXTURES	323		
	2691 PULP AND PAPER PRODUCTS, NEC	22		
	2819 BASIC CHEMICALS AND PROD, NEC	122		
	2821 PLASTIC MATERIALS	6		
	2851 PAINTS	74		
	2871 NITROGENOUS CHEM FERTILIZERS	46,753		
	2879 FERTILIZER AND MATERIALS, NEC	296		
	2911 GASOLINE	2,120		
	2912 JET FUEL	36,903		
	2914 DISTILLATE FUEL OIL	4,698		
	2915 RESIDUAL FUEL OIL	1,418		
	2951 ASPHALT BUILDING MATERIALS	304		
	2991 PETROLEUM AND COAL PROD, NEC	280		
	3011 RUBBER AND MISC PLASTIC PROD	173		
	3211 GLASS AND GLASS PRODUCTS	21		
	3241 BUILDING CEMENT	24,792		
	3271 LIME	10		
	3281 CLY STONE AND STONE PRODUCTS	58		
	3291 MISC NONMETALLIC MINERAL PROD	2,782		
	3314 IRON AND STEEL PRIMARY FORMS	9		
	3315 IRON, STEEL SHAPES, EXC SHEET	38		
	3316 IRON AND STEEL PLATES, SHEETS	15		
	3317 IRON AND STEEL PIPE AND TUBE	245		

ALASKA DISTRICT

87

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT--CONTINUED				
NOME, ALASKA (CONTINUED)-----				
	3319 IRON AND STEEL PRODUCTS, NEC-----	10	-----	-----
	3321 NONFERROUS METALS, NEC-----	23	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	459	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	762	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	27	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	400	-----	-----
	3731 SHIPS AND BOATS-----	212	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	68	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	2	-----	-----
	4112 COMMODITIES, NEC-----	3,362	-----	-----
	4119 EMPTY CONTAINERS-----	7	-----	-----
	TOTAL-----	147,585	-----	-----
NOUNAH HARBOR, ALASKA-----				
	2031 FISH AND SHELLFISH, PREPARED-----	5,388	-----	-----
	2041 ALCOHOLIC BEVERAGES-----	14	-----	-----
	2094 GROCERIES-----	112	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	3	-----	-----
	2411 LOGS-----	85,746	-----	-----
	2412 RAFTED LOGS-----	62,775	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	150	-----	-----
	2691 MISCELLANEOUS CHEMICAL PROD-----	145	-----	-----
	2911 GASOLINE-----	774	-----	-----
	2912 JET FUEL-----	391	-----	-----
	2914 DISTILLATE FUEL OIL-----	6,242	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	1	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	133	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	494	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	203	-----	-----
	3731 SHIPS AND BOATS-----	10	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	6	-----	-----
	4112 COMMODITIES, NEC-----	2,626	-----	-----
	4119 EMPTY CONTAINERS-----	125	-----	-----
	TOTAL-----	165,584	-----	-----
NULMULLU HARBOR, ALASKA-----				
	0911 FRESH FISH, EXCEPT SHELLFISH-----	195	-----	-----
	1491 SALT-----	143	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	174	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	1,466	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	273	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	32	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	462	-----	-----
	2911 GASOLINE-----	131	-----	-----
	2912 JET FUEL-----	546	-----	-----
	2914 DISTILLATE FUEL OIL-----	1,705	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	481	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	196	-----	-----
	4112 COMMODITIES, NEC-----	2,400	-----	-----
	TOTAL-----	6,456	-----	-----
NARE HARBOR, ALASKA-----				
	0911 FRESH FISH, EXCEPT SHELLFISH-----	128	-----	-----
	1492 SAND, GRAVEL, CRUSHED ROCK-----	500	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	1,123	-----	-----
	2094 GROCERIES-----	20	-----	-----
	2411 LOGS-----	40,849	-----	-----
	2412 RAFTED LOGS-----	44,805	-----	-----
	2691 MISCELLANEOUS CHEMICAL PROD-----	37	-----	-----
	2911 GASOLINE-----	616	-----	-----
	2912 JET FUEL-----	130	-----	-----
	2914 DISTILLATE FUEL OIL-----	3,662	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	1,405	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	1	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	7	-----	-----
	4112 COMMODITIES, NEC-----	1,403	-----	-----
	TOTAL-----	94,698	-----	-----
KING LOVE LAGOON, ALASKA-----				
	0911 FRESH FISH, EXCEPT SHELLFISH-----	31,157	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	1,503	-----	-----
	14-1 SALT-----	183	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	75	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	1,292	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	126	-----	-----
	2421 LUMBER-----	92	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	1,204	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	166	-----	-----
	2911 GASOLINE-----	114	-----	-----
	2912 JET FUEL-----	7	-----	-----
	2914 DISTILLATE FUEL OIL-----	2,055	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	61	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	640	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	1,368	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	47	-----	-----
	4112 COMMODITIES, NEC-----	4,142	-----	-----
	TOTAL-----	44,518	-----	-----
KODIAK HARBOR, ALASKA-----				
	0911 FRESH FISH, EXCEPT SHELLFISH-----	3,032	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	1,528	-----	-----
	1491 SALT-----	74	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	9	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	4,210	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	13	-----	-----
	2042 ANIMAL FEEDS-----	49	-----	-----
	2049 GRAIN MILL PRODUCTS, NEC-----	46	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	115	-----	-----

AL-1122 300

WATERBURY COMMERCE OF THE UNITED STATES FISCAL YEAR
1980 WATERBURY U. S. DEPT. OF ENGINEERING BELUOTR
JA WATERBURY RESOURCE SUPPORT CE MAY 30 1980 15 5-4

UNCLASSIFIED

END

DATE

FILED

18



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT--CONTINUED				
KODIAK HARBOR, ALASKA (CONTINUED)	2091 VEGETABLE OILS, MARK, SHORT	1		
	2099 GROCERIES	37		
	2099 MISCELLANEOUS FOOD PRODUCTS	162		
	2421 LUMBER	2,423		
	2431 VENEER, PLYWOOD, POKED WOOD	33		
	2491 WOOD MANUFACTURES, NEC	2,470		
	2511 FURNITURE AND FIXTURES	437		
	2631 PAPER AND PAPERBOARD	24		
	2691 PULP AND PAPER PRODUCTS, NEC	33		
	2819 BASIC CHEMICALS AND PROD, NEC	47		
	2821 PLASTIC MATERIALS	103		
	2822 SYNTHETIC RUBBER	2		
	2831 DRUGS	6		
	2861 GLW AND NECE CHEMICALS	6		
	2879 FERTILIZER AND MATERIALS, NEC	54		
	2891 MISCELLANEOUS CHEMICAL PROD	21		
	2911 GASOLINE	9,595		
	2912 JET FUEL	828		
	2914 DISTILLATE FUEL OIL	56,764		
	2991 PETROLEUM AND COAL PROD, NEC	15		
	3241 BUILDING CEMENT	24		
	3241 MISC NONMETALLIC MINERAL PROD	2,270		
	3315 IRON, STEEL SHAPES, ETC SHEET	208		
	3411 FABRICATED METAL PRODUCTS	2,387		
	3511 MACHINERY, EXCEPT ELECTRICAL	1,497		
	3611 ELECTRICAL MACH AND EQUIP	1		
	3711 MOTOR VEHICLES, PARTS, EQUIP	227		
	3731 SHIPS AND BOATS	23		
	4112 COMMODITIES, NEC	123,570		
	4119 EMPTY CONTAINERS	114		
	TOTAL	211,124		
METLAKATLA HARBOR, ALASKA	4191 MISCELLANEOUS FOOD PRODUCTS	66		
	2099 MISCELLANEOUS FOOD PRODUCTS	1,208		
	2211 BASIC TEXTILE PRODUCTS	4		
	2411 LOGS	18,725		
	2416 WOOD CHIPS, STAVES, WELDINGS	63,125		
	2421 LUMBER	46,486		
	2511 FURNITURE AND FIXTURES	50		
	2691 PULP AND PAPER PRODUCTS, NEC	2		
	2819 BASIC CHEMICALS AND PROD, NEC	41		
	2891 MISCELLANEOUS CHEMICAL PROD	12		
	2911 GASOLINE	832		
	2912 JET FUEL	54		
	2914 DISTILLATE FUEL OIL	2,010		
	2991 PETROLEUM AND COAL PROD, NEC	31		
	3011 RUBBER AND MISC PLASTIC PROD	24		
	3241 BUILDING CEMENT	1,044		
	3411 FABRICATED METAL PRODUCTS	405		
	3511 MACHINERY, EXCEPT ELECTRICAL	884		
	3611 ELECTRICAL MACH AND EQUIP	8		
	3711 MOTOR VEHICLES, PARTS, EQUIP	191		
	4112 MISC MANUFACTURED PRODUCTS	74		
	4119 EMPTY CONTAINERS	15		
	TOTAL	115,317		
NANNEK RIVER, ALASKA	0911 FRESH FISH, EXCEPT SHELLFISH	12		
	1491 SALT	1,036		
	2011 MEAT, FRESH, CHILLED, FROZEN	21		
	2021 DAIRY PRODUCTS, NEC	5		
	2031 FISH AND SHELLFISH, PREPARED	5,906		
	2034 VEGETABLES AND PHER, NEC	61		
	2039 PHER FRUIT AND VEG JUICE, NEC	62		
	2081 ALCOHOLIC BEVERAGES	329		
	2094 GROCERIES	334		
	2099 MISCELLANEOUS FOOD PRODUCTS	174		
	2414 TIMBER, POLES, PILES, PILING	65		
	2421 LUMBER	289		
	2431 VENEER, PLYWOOD, POKED WOOD	107		
	2491 WOOD MANUFACTURES, NEC	345		
	2511 FURNITURE AND FIXTURES	27		
	2691 PULP AND PAPER PRODUCTS, NEC	763		
	2815 ALCOHOLS	218		
	2879 FERTILIZER AND MATERIALS, NEC	5		
	2911 GASOLINE	7,205		
	2912 JET FUEL	9,754		
	2914 DISTILLATE FUEL OIL	16,265		
	2921 LIQUEFIED GASES	9		
	2951 ASPHALT BUILDING MATERIALS	7		
	2991 PETROLEUM AND COAL PROD, NEC	187		
	3011 RUBBER AND MISC PLASTIC PROD	6		
	3241 BUILDING CEMENT	1,104		
	3261 CUT STONE AND STONE PRODUCTS	20		
	3291 MISC NONMETALLIC MINERAL PROD	1,458		
	3312 BLDG	27		
	3315 IRON, STEEL SHAPES, ETC SHEET	1,313		
	3316 IRON AND STEEL PLATES, SHEETS	110		
	3317 IRON AND STEEL PIPE AND TUBE	1		
	3319 IRON AND STEEL PRODUCTS, NEC	28		
	3322 COPPER ALLOYS, UNWORKED	2		
	3411 FABRICATED METAL PRODUCTS	2,121		
	3511 MACHINERY, EXCEPT ELECTRICAL	567		
	3611 ELECTRICAL MACH AND EQUIP	47		
	3711 MOTOR VEHICLES, PARTS, EQUIP	253		
	3731 SHIPS AND BOATS	361		
	3741 MISC TRANSPORTATION EQUIPMENT	2		

ALASKA DISTRICT

89

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-PILES	PASSENGERS
PROJECT--CONTINUED				
NAKNEK RIVER, ALASKA (CONTINUED)-----	4112 COMMODITIES, NEC-----	6,904	-----	-----
	4119 EMPTY CONTAINERS-----	120	-----	-----
	TOTAL-----	57,643	125,940	-----
NINILCHIK HARBOR, ALASKA-----	NO COMMENCE REPORTED			
NOME, ALASKA-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	3,368	-----	-----
	1121 COAL AND LIGNITE-----	1	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	47	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	215	-----	-----
	2049 GRAIN MILL PRODUCTS, NEC-----	1	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	209	-----	-----
	2094 GROCERIES-----	87	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	864	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	1	-----	-----
	2411 LUMBER-----	9	-----	-----
	2414 TIMBER, PCSTS, POLES, PILING-----	13	-----	-----
	2421 LUMBER-----	632	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	266	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	84	-----	-----
	2511 FURNITURE AND FIXTURES-----	30	-----	-----
	2814 BASIC CHEMICALS AND PROD, NEC-----	48	-----	-----
	2821 PLASTIC MATERIALS-----	3	-----	-----
	2871 NITROGENOUS CHEM FERTILIZERS-----	81	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	1	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	4	-----	-----
	2911 GASOLINE-----	2,522	-----	-----
	2912 JET FUEL-----	2,825	-----	-----
	2914 DISTILLATE FUEL OIL-----	4,102	-----	-----
	2921 LIQUEFIED GASES-----	8	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	8	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	5	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	17	-----	-----
	3211 GLASS AND GLASS PRODUCTS-----	4	-----	-----
	3241 BUILDING CEMENT-----	179	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	135	-----	-----
	3312 SLAG-----	6	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	5	-----	-----
	3316 IRON AND STEEL PLATES, SHEETS-----	3	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	30	-----	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	17	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	57	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	423	-----	-----
	3612 ELECTRICAL MACH AND EQUIP-----	5	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	272	-----	-----
	3731 SHIPS AND BOATS-----	13	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	9	-----	-----
	4112 COMMODITIES, NEC-----	5,934	-----	-----
	4119 EMPTY CONTAINERS-----	4	-----	-----
	TOTAL-----	22,547	-----	-----
OLD HAMBOR, ALASKA-----	2421 LUMBER-----	34	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	203	-----	-----
	2911 GASOLINE-----	31	-----	-----
	2914 DISTILLATE FUEL OIL-----	281	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	33	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	376	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	35	-----	-----
	4112 COMMODITIES, NEC-----	47	-----	-----
	TOTAL-----	1,040	-----	-----
PELICAN HARBOR, ALASKA-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	210	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	3,135	-----	-----
	2911 GASOLINE-----	82	-----	-----
	2912 JET FUEL-----	393	-----	-----
	2914 DISTILLATE FUEL OIL-----	1,775	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	5	-----	-----
	4112 COMMODITIES, NEC-----	1,211	-----	-----
	TOTAL-----	6,811	-----	-----
PETLARBURG HARBOR, ALASKA-----	0131 FRESH FRUITS-----	8	-----	-----
	0141 FRESH AND FROZEN VEGETABLES-----	3	-----	-----
	0191 MISCELLANEOUS FOOD PRODUCTS-----	23	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	10,274	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	980	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	500	-----	-----
	1491 SALT-----	796	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	7	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	22,370	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	9	-----	-----
	2049 GRAIN MILL PRODUCTS, NEC-----	2	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	440	-----	-----
	2094 GROCERIES-----	1,491	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	1,806	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	15	-----	-----
	2416 WOOD CHIPS, STAVES, PLOIINGS-----	8,484	-----	-----
	2421 LUMBER-----	16,733	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	33	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	350	-----	-----
	2511 FURNITURE AND FIXTURES-----	311	-----	-----
	2621 STANDARD HANDPAINT PAPER-----	34	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	171	-----	-----
	2811 CRUDE OIL, GAS PRODUCTS-----	3	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	194	-----	-----

Waterborne Commerce of the United States, 1985

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT--CONTINUED				
PETERSBURG HARBOR, ALASKA (CONTINUED)	2851 PEATS-----	14	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	1	-----	-----
	2911 GASOLINE-----	2,777	-----	-----
	2912 JET FUEL-----	1,132	-----	-----
	2914 DISTILLATE FUEL OIL-----	13,233	-----	-----
	2918 ASPHALT, TAR, AND BITUMENS-----	645	-----	-----
	2921 LIQUEFIED GASES-----	275	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	2	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	220	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	57	-----	-----
	3201 BUILDING CEMENT-----	1,438	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	87	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	407	-----	-----
	3321 NONFERROUS METALS, NEC-----	11	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	4,154	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	1,111	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	70	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	556	-----	-----
	3731 SHIPS AND BOATS-----	289	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	35	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	85	-----	-----
	4112 COMMODITIES, NEC-----	4,293	-----	-----
	4119 EMPTY CONTAINERS-----	62	-----	-----
	TOTAL-----	104,691	-----	4,964
PORT ALEXANDER, ALASKA-----	2911 GASOLINE-----	6	-----	-----
	2912 JET FUEL-----	20	-----	-----
	2914 DISTILLATE FUEL OIL-----	61	-----	-----
	TOTAL-----	87	-----	-----
SELDOVIA HARBOR, ALASKA-----	2031 FISH AND SHELLFISH, PREPARED-----	48	-----	-----
	2414 TIMBER, PCSTS, POLES, PILING-----	5	-----	-----
	2421 LUMBER-----	49	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	75	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	12	-----	-----
	2511 FURNITURE AND FIXTURES-----	1	-----	-----
	2911 GASOLINE-----	160	-----	-----
	2914 DISTILLATE FUEL OIL-----	1,050	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	42	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	22	-----	-----
	4112 COMMODITIES, NEC-----	4	-----	-----
	TOTAL-----	1,408	-----	-----
SKAGWAY HARBOR, ALASKA-----	1494 GYPSUM, CRUDE AND PLASTERS-----	27	-----	-----
	2421 LUMBER-----	1	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	30,583	-----	-----
	2911 GASOLINE-----	22,473	-----	-----
	2912 JET FUEL-----	2,159	-----	-----
	2914 DISTILLATE FUEL OIL-----	41,211	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	1	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	50	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	400	-----	-----
	TOTAL-----	101,403	-----	5,044
STIAINE RIVER, ALASKA-----	1402 SAND, GRAVEL, CRUSHED ROCK-----	6,250	-----	-----
NONPROJECT				
CHATHAM STRAIT, ALASKA-----	0122 HAY AND FODDER-----	58	-----	-----
	0131 FRESH FRUITS-----	23	-----	-----
	0141 FRESH AND FROZEN VEGETABLES-----	22	-----	-----
	0191 MISCELLANEOUS FOOD PRODUCTS-----	58	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	142	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	26,415	-----	-----
	1402 SAND, GRAVEL, CRUSHED ROCK-----	4,200	-----	-----
	1451 CLAY-----	43	-----	-----
	1491 SALT-----	891	-----	-----
	1492 SULPHUR, CRUDE-----	5,196	-----	-----
	1494 GYPSUM, CRUDE AND PLASTERS-----	27	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	29	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	17,371	-----	-----
	2039 FRESH FRUIT AND VEG JUICE, NEC-----	35	-----	-----
	2042 ANIMAL FEEDS-----	229	-----	-----
	2049 GRAIN MILL PRODUCTS, NEC-----	35	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	1,484	-----	-----
	2091 VEGETABLE OILS, MARG, SHORT-----	20	-----	-----
	2099 GROCERIES-----	3,774	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	2,749	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	59	-----	-----
	2411 LOGS-----	40,899	-----	-----
	2412 RAFTED LOGS-----	389,381	-----	-----
	2414 TIMBER, PCSTS, POLES, PILING-----	302	-----	-----
	2415 PULPHOOD, LOGS-----	1,685	-----	-----
	2416 WOOD CHIPS, STAVES, HOLDINGS-----	69,244	-----	-----
	2421 LUMBER-----	7,707	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	312	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	5,666	-----	-----
	2511 FURNITURE AND FIXTURES-----	692	-----	-----
	2611 PULP-----	27,776	-----	-----
	2621 STANDARD NEWSPRINT PAPER-----	33	-----	-----
	2631 PAPER AND PAPERBOARD-----	682	-----	-----
	2691 PLP AND PAPER PRODUCTS, NEC-----	1,085	-----	-----
	2810 SODIUM HYDROXIDE-----	23,138	-----	-----

ALASKA DISTRICT

91

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
NONPROJECT--CONTINUED				
CHATHAM STRAIT, ALASKA (CONTINUED)-----	2819 BASIC CHEMICALS AND PROD, NEC-----	1,409	-----	-----
	2821 PLASTIC MATERIALS-----	17	-----	-----
	2841 SOAP-----	44	-----	-----
	2851 PAINTS-----	69	-----	-----
	2871 NITROGENOUS CHEM FERTILIZERS-----	20	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	335	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	8,251	-----	-----
	2911 GASOLINE-----	13,446	-----	-----
	2912 JET FUEL-----	23,939	-----	-----
	2914 DISTILLATE FUEL OIL-----	63,607	-----	-----
	2915 RESIDUAL FUEL OIL-----	5,630	-----	-----
	2916 LUBRICATING OILS AND GREASES-----	36,148	-----	-----
	2918 ASPHALT, TAR, AND PITCHES-----	962	-----	-----
	2921 LIQUEFIED GASES-----	419	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	74	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	163	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	1,496	-----	-----
	3211 GLASS AND GLASS PRODUCTS-----	29	-----	-----
	3241 BUILDING CEMENT-----	315	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	256	-----	-----
	3281 CUT STONE AND STONE PRODUCTS-----	63	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	5,768	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	5	-----	-----
	3317 IRON AND STEEL PIPE AND TLBE-----	94	-----	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	26	-----	-----
	3321 NONFERROUS METALS, NEC-----	17	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	2,293	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	7,338	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	79	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,652	-----	-----
	3731 SHIPS AND BOATS-----	173	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	369	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	321	-----	-----
	4011 IRON AND STEEL SCRAP-----	546	-----	-----
	4112 COMMODITIES, NEC-----	36,352	-----	-----
	4119 EMPTY CONTAINERS-----	1,990	-----	-----
	TOTAL-----	840,080	36,590,633	7,436
CLARENCE STRAIT, ALASKA-----	0122 HAY AND FODDER-----	175	-----	-----
	0131 FRESH FRUITS-----	1	-----	-----
	0191 MISCELLANEOUS FARM PRODUCTS-----	129	-----	-----
	0911 FRESH FISH, EXCEPT SMEL/FISH-----	87	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	2,140	-----	-----
	1491 SALT-----	23	-----	-----
	1494 GYPSUM, CRUDE AND PLASTERS-----	213	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	85	-----	-----
	2042 ANIMAL FEEDS-----	125	-----	-----
	2049 GRAIN MILL PRODUCTS, NEC-----	48	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	11,228	-----	-----
	2094 GROCERIES-----	7,962	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	6,140	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	12	-----	-----
	2411 LOGS-----	18,729	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	850	-----	-----
	2416 WOOD CHIPS, STAVES, MULDINGS-----	40,102	-----	-----
	2421 LUMBER-----	65,142	-----	-----
	2431 VENEER, PLYWOOD, ADKED WOOD-----	1,313	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	2,751	-----	-----
	2511 FURNITURE AND FIXTURES-----	599	-----	-----
	2621 STANDARD NEWSPRINT PAPER-----	236	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	329	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	230	-----	-----
	2821 PLASTIC MATERIALS-----	11	-----	-----
	2841 SOAP-----	1	-----	-----
	2851 PAINTS-----	107	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	38	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	1,606	-----	-----
	2911 GASOLINE-----	34,105	-----	-----
	2912 JET FUEL-----	15,065	-----	-----
	2914 DISTILLATE FUEL OIL-----	119,770	-----	-----
	2918 ASPHALT, TAR, AND PITCHES-----	8,553	-----	-----
	2921 LIQUEFIED GASES-----	30	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	233	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	796	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	103	-----	-----
	3241 BUILDING CEMENT-----	2,784	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	108	-----	-----
	3281 CUT STONE AND STONE PRODUCTS-----	154	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	17,223	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	230	-----	-----
	3317 IRON AND STEEL PIPE AND TLBE-----	120	-----	-----
	3321 NONFERROUS METALS, NEC-----	38	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	5,685	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	14,301	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	93	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	3,685	-----	-----
	3731 SHIPS AND BOATS-----	405	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	269	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	83	-----	-----
	4011 IRON AND STEEL SCRAP-----	1	-----	-----
	4112 COMMODITIES, NEC-----	37,521	-----	-----
	4119 EMPTY CONTAINERS-----	758	-----	-----
	TOTAL-----	418,810	28,579,464	4,974
FREDERICK SOLAD, ALASKA-----	0122 HAY AND FODDER-----	345	-----	-----
	0131 FRESH FRUITS-----	24	-----	-----

Waterborne Commerce of the United States, 1985

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
NONPROJECT--CONTINUED				
FREDERICK SOUND, ALASKA (CONTINUED)	0141 FRESH AND FROZEN VEGETABLES-----	22	-----	-----
	0191 MISCELLANEOUS FARM PRODUCTS-----	121	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	304	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	26,415	-----	-----
	1402 SAND, GRAVEL, CRUSHED ROCK-----	501	-----	-----
	1451 CLAY-----	43	-----	-----
	1491 SALT-----	950	-----	-----
	1492 SULPHUR, CRUDE AND PLASTERS-----	5,199	-----	-----
	1494 GYPSUM, CRUDE AND PLASTERS-----	240	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	84	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	23,161	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	35	-----	-----
	2042 ANIMAL FEEDS-----	451	-----	-----
	2049 GRAIN MILL PRODUCTS, NEC-----	83	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	12,692	-----	-----
	2091 VEGETABLE OILS, RAW, SHORT-----	20	-----	-----
	2094 GROCERIES-----	11,441	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	7,702	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	98	-----	-----
	2411 LOGS-----	40,649	-----	-----
	2412 HAPTED LOGS-----	177,364	-----	-----
	2414 TIMBER, POLES, PILLS, PILING-----	1,318	-----	-----
	2416 LOGS CHIPS, STAVES, WELCHINGS-----	69,244	-----	-----
	2421 LUMBER-----	18,635	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	2,077	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	6,244	-----	-----
	2511 FURNITURE AND FIXTURES-----	1,384	-----	-----
	2611 PULP-----	27,776	-----	-----
	2621 STANDARD NEWSPRINT PAPER-----	264	-----	-----
	2631 PAPER AND PAPERMAKING-----	442	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	1,412	-----	-----
	2810 SODIUM HYDROXIDE-----	23,138	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	1,578	-----	-----
	2821 PLASTIC MATERIALS-----	31	-----	-----
	2841 SCRAP-----	45	-----	-----
	2851 PAINTS-----	186	-----	-----
	2871 NITROGENOUS CHEM FERTILIZERS-----	20	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	390	-----	-----
	2881 MISCELLANEOUS CHEMICAL PROD-----	8,471	-----	-----
	2911 GASOLINE-----	26,996	-----	-----
	2912 JET FUEL-----	29,408	-----	-----
	2914 DISTILLATE FUEL OIL-----	102,515	-----	-----
	2915 RESIDUAL FUEL OIL-----	5,630	-----	-----
	2916 LUBRICATING OILS AND GREASES-----	36,148	-----	-----
	2918 ASPHALT, TAR, AND BITUMENS-----	5,515	-----	-----
	2921 LIQUEFIED GASES-----	423	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	460	-----	-----
	2991 FURNACE AND COAL PROD, NEC-----	528	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	1,577	-----	-----
	3211 GLASS AND GLASS PRODUCTS-----	24	-----	-----
	3241 BUILDING CEMENT-----	3,097	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	388	-----	-----
	3271 LIME-----	10	-----	-----
	3281 CUT STONE AND STONE PRODUCTS-----	244	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	14,700	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	158	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	624	-----	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	56	-----	-----
	3321 NONFERROUS METALS, NEC-----	55	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	7,538	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	14,154	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	175	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	5,070	-----	-----
	3731 SHIPS AND BOATS-----	649	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	617	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	330	-----	-----
	4011 IRON AND STEEL SCRAP-----	378	-----	-----
	4112 COMMODITIES, NEC-----	64,378	-----	-----
	4119 EMPTY CONTAINERS-----	2,162	-----	-----
	TOTAL-----	801,139	35,810,746	5,012
ICY STRAIT, ALASKA	0122 HAY AND FODDER-----	48	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	1,075	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	33	-----	-----
	1402 SAND, GRAVEL, CRUSHED ROCK-----	20	-----	-----
	1451 CLAY-----	15	-----	-----
	1491 SALT-----	143	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	15	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	8,506	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	26	-----	-----
	2042 ANIMAL FEEDS-----	252	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	121	-----	-----
	2094 GROCERIES-----	228	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	95	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	29	-----	-----
	2411 LOGS-----	206,599	-----	-----
	2412 HAPTED LOGS-----	141,743	-----	-----
	2414 TIMBER, POLES, PILLS, PILING-----	8	-----	-----
	2421 LUMBER-----	4,097	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	440	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	443	-----	-----
	2511 FURNITURE AND FIXTURES-----	74	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	31	-----	-----
	2821 PLASTIC MATERIALS-----	3	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	17	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	195	-----	-----
	2911 GASOLINE-----	70,327	-----	-----

ALASKA DISTRICT

93

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
NONPROJECT--CONTINUED				
ICY STRAIT, ALASKA (CONTINUED)-----	2912 JET FUEL-----	6,174	-----	-----
	2914 DISTILLATE FUEL OIL-----	47,714	-----	-----
	2915 RESIDUAL FUEL OIL-----	1,466	-----	-----
	2921 LIQUEFIED GASES-----	20	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	132	-----	-----
	3111 LEATHER AND LEATHER PRODUCTS-----	10	-----	-----
	3241 BUILDING CEMENT-----	5,103	-----	-----
	3271 LIME-----	10	-----	-----
	3281 CUT STONE AND STONE PRODUCTS-----	22	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	623	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	32	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	15	-----	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	14	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	570	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	955	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	7	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	598	-----	-----
	3731 SHIPS AND BOATS-----	44	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	64	-----	-----
	4112 COMMODITIES, NEC-----	6,362	-----	-----
	4119 EMPTY CONTAINERS-----	191	-----	-----
	TOTAL-----	505,117	21,766,689	37,398
LYNN CANAL, ALASKA-----	0122 HAY AND FODDER-----	57	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	864	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	33	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	4,220	-----	-----
	1451 CLAY-----	15	-----	-----
	1491 SALT-----	22	-----	-----
	1494 GYP-SUM, CRUDE AND PLASTERS-----	27	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	171	-----	-----
	2042 ANIMAL FEEDS-----	252	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	404	-----	-----
	2094 GROCERIES-----	408	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	110	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	29	-----	-----
	2411 LOGS-----	121,253	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	328	-----	-----
	2416 WOOD CHIPS, STAVES, MILLINGS-----	6,544	-----	-----
	2421 LUMBER-----	4,818	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	449	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	34,755	-----	-----
	2511 FURNITURE AND FIXTURES-----	245	-----	-----
	2821 PLASTIC MATERIALS-----	3	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	17	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	47	-----	-----
	2911 GASOLINE-----	72,472	-----	-----
	2912 JET FUEL-----	23,363	-----	-----
	2914 DISTILLATE FUEL OIL-----	55,235	-----	-----
	2915 RESIDUAL FUEL OIL-----	1,466	-----	-----
	2921 LIQUEFIED GASES-----	1	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	184	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	74	-----	-----
	3111 LEATHER AND LEATHER PRODUCTS-----	10	-----	-----
	3211 GLASS AND GLASS PRODUCTS-----	5	-----	-----
	3241 BUILDING CEMENT-----	5,066	-----	-----
	3271 LIME-----	10	-----	-----
	3281 CUT STONE AND STONE PRODUCTS-----	85	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	1,179	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	24	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	22	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	712	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	2,612	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	7	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	609	-----	-----
	3731 SHIPS AND BOATS-----	98	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	133	-----	-----
	4011 IRON AND STEEL SCRAP-----	164	-----	-----
	4112 COMMODITIES, NEC-----	5,617	-----	-----
	4119 EMPTY CONTAINERS-----	993	-----	-----
	TOTAL-----	345,227	17,431,631	9,167
NIKISHKA, ALASKA-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	18,307	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	408	-----	-----
	1311 CRUDE PETROLEUM-----	3,018,260	-----	-----
	1451 CLAY-----	375	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	1,465	-----	-----
	2421 LUMBER-----	11	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	322,653	-----	-----
	2871 NITROGENOUS CHEM FERTILIZERS-----	259,244	-----	-----
	2911 GASOLINE-----	36,546	-----	-----
	2912 JET FUEL-----	55,143	-----	-----
	2914 DISTILLATE FUEL OIL-----	272,309	-----	-----
	2915 RESIDUAL FUEL OIL-----	1,620,774	-----	-----
	2918 ASPHALT, TAR, AND BITUMENS-----	6,103	-----	-----
	2921 LIQUEFIED GASES-----	1,113,041	-----	-----
	3241 BUILDING CEMENT-----	13,124	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	762	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	8	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	11,148	-----	-----
	4029 WASTE AND SCRAP, NEC-----	340	-----	-----
	4111 WATER-----	91,400	-----	-----
	4112 COMMODITIES, NEC-----	23,134	-----	-----
	TOTAL-----	6,268,166	-----	-----

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
NONPROJECT--CONTINUED				
PERIL STRAIT, ALASKA-----	0122 HAY AND FODDER-----	49	-----	-----
	0131 FRESH FRUITS-----	23	-----	-----
	0141 FRESH AND FROZEN VEGETABLES-----	22	-----	-----
	0191 MISCELLANEOUS FARM PRODUCTS-----	56	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	113	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	4,200	-----	-----
	1451 CLAY-----	43	-----	-----
	1491 SALT-----	726	-----	-----
	1492 SULPHUR, DRY-----	5,194	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	6	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	8,890	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	9	-----	-----
	2042 ANIMAL FEEDS-----	229	-----	-----
	2049 GRAIN MILL PRODUCTS, NEC-----	35	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	1,113	-----	-----
	2091 VEGETABLE OILS, MARG, SHORT-----	20	-----	-----
	2094 GROCERIES-----	3,137	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	2,564	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	42	-----	-----
	2412 RAFTED LOGS-----	326,038	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	38	-----	-----
	2415 PULPHOOD, LOG-----	1,685	-----	-----
	2416 WOOD CHIPS, STAVES, MELDINGS-----	62,700	-----	-----
	2421 LUMBER-----	6,747	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	254	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	5,013	-----	-----
	2511 FURNITURE AND FIXTURES-----	280	-----	-----
	2611 PULP-----	27,776	-----	-----
	2621 STANDARD NEWSPRINT PAPER-----	33	-----	-----
	2631 PAPER AND PAPERBOARD-----	642	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	1,054	-----	-----
	2810 SODIUM HYDROXIDE-----	23,138	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	1,409	-----	-----
	2921 PLASTIC MATERIALS-----	17	-----	-----
	2941 SCAP-----	44	-----	-----
	2951 PAINTS-----	64	-----	-----
	2871 NITROGENOUS CHEM FERTILIZERS-----	20	-----	-----
	2879 FERTILIZER ARL MATERIALS, NEC-----	335	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	7,486	-----	-----
	2911 GASOLINE-----	9,113	-----	-----
	2912 JET FUEL-----	3,269	-----	-----
	2914 DISTILLATE FUEL OIL-----	36,564	-----	-----
	2915 RESIDUAL FUEL OIL-----	5,630	-----	-----
	2916 LUBRICATING OILS AND GREASES-----	36,130	-----	-----
	2918 ASPHALT, TAR, AND BITUMENS-----	962	-----	-----
	2921 LIGHTER FLUIDS-----	421	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	13	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	163	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	1,427	-----	-----
	3211 GLASS AND GLASS PRODUCTS-----	29	-----	-----
	3241 BUILDING CEMENT-----	258	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	258	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	4,678	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	1	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	67	-----	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	12	-----	-----
	3321 NONFERROUS METALS, NEC-----	17	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	1,578	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	5,354	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	66	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,237	-----	-----
	3731 SHIPS AND BOATS-----	125	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	230	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	321	-----	-----
	4011 IRON AND STEEL SCRAP-----	546	-----	-----
	4112 COMMODITIES, NEC-----	20,168	-----	-----
	4119 EMPTY CONTAINERS-----	1,416	-----	-----
	TOTAL-----	623,019	26,282,144	4,904
REVILLAGIGADO CHANNEL, ALASKA-----	0131 FRESH FRUITS-----	6	-----	-----
	0141 FRESH AND FROZEN VEGETABLES-----	2	-----	-----
	0191 MISCELLANEOUS FARM PRODUCTS-----	731	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	69,457	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	75	-----	-----
	1121 COAL AND LIGNITE-----	13,861	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	11,848	-----	-----
	1491 SALT-----	761	-----	-----
	1492 SULPHUR, DRY-----	7,945	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	7	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	25,919	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	11	-----	-----
	2042 ANIMAL FEEDS-----	9	-----	-----
	2049 GRAIN MILL PRODUCTS, NEC-----	2	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	489	-----	-----
	2094 GROCERIES-----	4,134	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	11,425	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	144	-----	-----
	2411 LOGS-----	263,596	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	415	-----	-----
	2416 WOOD CHIPS, STAVES, MELDINGS-----	7,813	-----	-----
	2421 LUMBER-----	73,724	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	46	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	961	-----	-----
	2511 FURNITURE AND FIXTURES-----	1,316	-----	-----
	2611 PULP-----	135,112	-----	-----
	2621 STANDARD NEWSPRINT PAPER-----	175	-----	-----
	2631 PAPER AND PAPERBOARD-----	19	-----	-----

ALASKA DISTRICT

95

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
NONPROJECT--CONTINUED				
REVILLAGIGAUD CHANNEL, ALASKA (CONTINUED)	2691 PULP AND PAPER PRODUCTS, NEC-----	4,152	-----	-----
	2810 SODIUM HYDROXIDE-----	28,100	-----	-----
	2810 SULPHURIC ACID-----	150	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	2,342	-----	-----
	2841 SCAP-----	3	-----	-----
	2851 PAINTS-----	30	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	2	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	11,258	-----	-----
	2911 GASOLINE-----	23,056	-----	-----
	2912 JET FUEL-----	11,109	-----	-----
	2914 DISTILLATE FUEL OIL-----	83,646	-----	-----
	2915 RESIDUAL FUEL OIL-----	7,544	-----	-----
	2916 LUBRICATING OILS AND GREASES-----	47,717	-----	-----
	2918 ASPHALT, TAR, AND PITCHES-----	2,140	-----	-----
	2921 LIQUEFIED GASES-----	1,501	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	12	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	3,927	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	432	-----	-----
	3211 GLASS AND GLASS PRODUCTS-----	11	-----	-----
	3241 BUILDING CEMENT-----	8,538	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	124	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	1,051	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	1,249	-----	-----
	3321 NONFERROUS METALS, NEC-----	7	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	12,432	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	11,234	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	628	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	2,984	-----	-----
	3721 AIRCRAFT AND PARTS-----	3	-----	-----
	3731 SHIPS AND BOATS-----	27	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	132	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	953	-----	-----
	4011 IRON AND STEEL SCRAP-----	1,128	-----	-----
	4112 COMMODITIES, NEC-----	7,490	-----	-----
	4119 EMPTY CONTAINERS-----	437	-----	-----
	TOTAL-----	1,507,260	60,135,227	303
STEPHENS PASSAGE, ALASKA	0122 HAY AND FODDER-----	287	-----	-----
	0131 FRESH FRUITS-----	1	-----	-----
	0191 MISCELLANEOUS FARM PRODUCTS-----	43	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	936	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	26,948	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	4,221	-----	-----
	1451 CLAY-----	15	-----	-----
	1491 SALT-----	59	-----	-----
	1494 GYPSUM, CHUO AND PLASTERS-----	213	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	63	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	1,192	-----	-----
	2042 ANIMAL FEEDS-----	439	-----	-----
	2049 GRAIN MILL PRODUCTS, NEC-----	48	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	11,473	-----	-----
	2094 GROCERIES-----	8,227	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	5,117	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	39	-----	-----
	2411 LOGS-----	121,253	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	937	-----	-----
	2421 LUMBER-----	9,540	-----	-----
	2431 VENEER, PLYWOOD, BARNED WOOD-----	1,799	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	2,865	-----	-----
	2511 FURNITURE AND FIXTURES-----	900	-----	-----
	2621 STANDARD NEWSPRINT PAPER-----	236	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	327	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	169	-----	-----
	2821 PLASTIC MATERIALS-----	14	-----	-----
	2841 SLAP-----	1	-----	-----
	2851 PAINTS-----	117	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	55	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	271	-----	-----
	2911 GASOLINE-----	22,668	-----	-----
	2912 JET FUEL-----	8,845	-----	-----
	2914 DISTILLATE FUEL OIL-----	45,638	-----	-----
	2915 RESIDUAL FUEL OIL-----	1,466	-----	-----
	2918 ASPHALT, TAR, AND PITCHES-----	4,553	-----	-----
	2921 LIQUEFIED GASES-----	31	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	387	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	765	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	91	-----	-----
	3111 LEATHER AND LEATHER PRODUCTS-----	10	-----	-----
	3211 GLASS AND GLASS PRODUCTS-----	5	-----	-----
	3241 BUILDING CEMENT-----	7,762	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	112	-----	-----
	3271 LIME-----	10	-----	-----
	3291 CUT STONE AND STONE PRODUCTS-----	181	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	9,396	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	155	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	536	-----	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	30	-----	-----
	3321 NONFERROUS METALS, NEC-----	38	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	5,708	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	6,434	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	96	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	4,007	-----	-----
	3731 SHIPS AND BOATS-----	491	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	291	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	84	-----	-----
	4011 IRON AND STEEL SCRAP-----	170	-----	-----
	4112 COMMODITIES, NEC-----	37,693	-----	-----

Waterborne Commerce of the United States, 1985

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
NONPROJECT--CONTINUED				
STEPHENS PASSAGE, ALASKA (CONTINUED)	4119 EMP CONTAINERS	1,335		
	TOTAL	356,778	16,820,754	5,266
SUMNER STRAIT ALASKA	0122 MEAT AND FODDER	345		
	0131 FRESH FRUITS	32		
	0141 FRESH AND FROZEN VEGETABLES	25		
	0191 MISCELLANEOUS FARM PRODUCTS	244		
	0911 FRESH FISH, EXCEPT SHELLFISH	16,570		
	0912 SHELLFISH, EXCEPT PREPARED	990		
	1442 SAND, GRAVEL, CRUSHED ROCK	6,851		
	1451 CLAY	43		
	1491 SALT	1,782		
	1492 SULPHUR, DRY	5,199		
	1494 GYPSUM, CRUDE AND PLASTERS	240		
	2011 MEAT, FRESH, MILLED, FROZEN	83		
	2031 FISH AND SHELLFISH, PREPARED	37,240		
	2039 PREP FRUIT AND VEG JUICE, NEC	44		
	2042 ANIMAL FEEDS	634		
	2049 GRAIN MILL PRODUCTS, NEC	85		
	2081 ALCOHOLIC BEVERAGES	13,268		
	2091 VEGETABLE OILS, WANG, SHORT	20		
	2094 GROCERIES	14,106		
	2099 MISCELLANEOUS FOOD PRODUCTS	12,134		
	2211 BASIC TEXTILE PRODUCTS	120		
	2411 LOGS	63,512		
	2412 RAFTED LOGS	102,839		
	2414 TIMBER, PCSTS, PILES, PILING	1,356		
	2416 WOOD CHIPS, STAVES, WELDINGS	103,251		
	2421 LUMBER	110,132		
	2431 VENEER, PLYWOOD, POKED WOOD	2,107		
	2491 WOOD MANUFACTURES, NEC	8,667		
	2511 FURNITURE AND FIXTURES	1,696		
	2611 PULP	27,776		
	2621 STANDARD NEWSPRINT PAPER	303		
	2631 PAPER AND PAPERBOARD	442		
	2691 PULP AND PAPER PRODUCTS, NEC	1,651		
	2810 SODIUM HYDROXIDE	23,138		
	2811 CRUDE TAR, CIL, GAS PRODUCTS	3		
	2819 BASIC CHEMICALS AND PROD, NEC	2,080		
	2821 PLASTIC MATERIALS	34		
	2841 SOAP	45		
	2851 PAINTS	208		
	2871 NITROGENOUS CHEM FERTILIZERS	20		
	2879 FERTILIZER AND MATERIALS, NEC	391		
	2891 MISCELLANEOUS CHEMICAL PROD	8,435		
	2911 GASOLINE	35,130		
	2912 JET FUEL	32,150		
	2914 DISTILLATE FUEL OIL	12,436		
	2915 KEROSENE FUEL OIL	5,430		
	2916 LUBRICATING OILS AND GREASES	36,148		
	2918 ASPHALT, TAR, AND BITUMENS	6,888		
	2921 LIQUEFIED GASES	1,116		
	2951 ASPHALT BUILDING MATERIALS	464		
	2991 PETROLEUM AND COAL PROD, NEC	2,220		
	3011 RUBBER AND MISC PLASTIC PROD	1,704		
	3211 GLASS AND GLASS PRODUCTS	28		
	3241 BUILDING CEMENT	5,510		
	3251 STRUCTURAL CLAY PRODUCTS	502		
	3271 LIME	24		
	3281 CLT STONE AND STONE PRODUCTS	244		
	3291 MISC NONMETALLIC MINERAL PROD	15,569		
	3315 IRON, STEEL SHAPES, EXC SHEET	240		
	3317 IRON AND STEEL PIPE AND TUBE	642		
	3319 IRON AND STEEL PRODUCTS, NEC	78		
	3321 NONFERROUS METALS, NEC	68		
	3411 FABRICATED METAL PRODUCTS	13,652		
	3511 MACHINERY, EXCEPT ELECTRICAL	18,421		
	3611 ELECTRICAL MACH AND EQUIP	325		
	3711 MOTOR VEHICLES, PARTS, EQUIP	5,755		
	3731 SHIPS AND BOATS	943		
	3791 MISC TRANSPORTATION EQUIPMENT	671		
	3811 INSTR, TIME, PHOTO, OPT GOODS	1		
	3911 MISC MANUFACTURED PRODUCTS	558		
	4011 IRON AND STEEL SCRAP	346		
	4112 COMMODITIES, NEC	68,604		
	4119 EMPTY CONTAINERS	2,256		
	TOTAL	547,816	40,822,540	7,534
TONGASS NARROWS, ALASKA	0131 FRESH FRUITS	6		
	0141 FRESH AND FROZEN VEGETABLES	2		
	0191 MISCELLANEOUS FARM PRODUCTS	751		
	0911 FRESH FISH, EXCEPT SHELLFISH	69,477		
	0912 SHELLFISH, EXCEPT PREPARED	75		
	1121 COAL AND LIGNITE	13,861		
	1442 SAND, GRAVEL, CRUSHED ROCK	1,438		
	1491 SALT	741		
	1492 SULPHUR, DRY	7,945		
	2011 MEAT, FRESH, CHILLED, FROZEN	7		
	2031 FISH AND SHELLFISH, PREPARED	25,432		
	2039 PREP FRUIT AND VEG JUICE, NEC	11		
	2042 ANIMAL FEEDS	9		
	2049 GRAIN MILL PRODUCTS, NEC	2		
	2081 ALCOHOLIC BEVERAGES	609		
	2094 GROCERIES	4,134		
	2099 MISCELLANEOUS FOOD PRODUCTS	11,523		
	2211 BASIC TEXTILE PRODUCTS	144		

ALASKA DISTRICT

97

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-PILES	PASSENGERS
NONPROJECT--CONTINUED				
TONGASS HARBOR, ALASKA (CONTINUED)-----	2411 LOGS-----	863,596	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	415	-----	-----
	2416 WOOD CRIPS, STAVES, WELDINGS-----	111,040	-----	-----
	2421 LUMBER-----	67,225	-----	-----
	2431 VENEER, PLYWOOD, MURKED WOOD-----	46	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	1,056	-----	-----
	2511 FURNITURE AND FIXTURES-----	1,390	-----	-----
	2611 PULP-----	135,112	-----	-----
	2621 STANDARD NEWSPRINT PAPER-----	175	-----	-----
	2631 PAPER AND PAPERBOARD-----	19	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	4,152	-----	-----
	2810 SODIUM HYDROXIDE-----	28,100	-----	-----
	2818 SULPHURIC ACID-----	158	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	2,342	-----	-----
	2841 SCAP-----	3	-----	-----
	2851 PAINTS-----	30	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	92	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	9,055	-----	-----
	2911 GASOLINE-----	58,597	-----	-----
	2912 JET FUEL-----	26,331	-----	-----
	2914 DISTILLATE FUEL OIL-----	201,911	-----	-----
	2915 RESIDUAL FUEL OIL-----	7,544	-----	-----
	2916 LUBRICATING OILS AND GREASES-----	47,717	-----	-----
	2918 ASPHALT, TAR, AND BITUMENS-----	2,140	-----	-----
	2921 LIQUEFIED GASES-----	1,501	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	12	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	3,427	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	439	-----	-----
	3211 GLASS AND GLASS PRODUCTS-----	11	-----	-----
	3241 BUILDING CEMENT-----	9,934	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	124	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	1,143	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	1,479	-----	-----
	3321 NONFERROUS METALS, NEC-----	7	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	12,769	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	20,686	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	633	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	3,110	-----	-----
	3721 AIRCRAFT AND PARTS-----	3	-----	-----
	3731 SHIPS AND BOATS-----	34	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	103	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	953	-----	-----
	4011 IRON AND STEEL SHAP-----	1,128	-----	-----
	4112 COMMODITIES, NEC-----	12,770	-----	-----
	4119 EMPTY CONTAINERS-----	452	-----	-----
TOTAL-----		1,807,671	10,758,104	625,161

SECTION 2
TRIPS AND DRAFTS OF VESSELS

LOS ANGELES, CA, DISTRICT

101

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER	
DRAFT (FEET)												
SAN DIEGO HARBOR, CALIF.												
43			1		INBOUND	1				OUTBOUND		
37							1					2
36		2	1			3	3	1				3
35		10	1			11	5					5
34		3				3	5	1				6
33							6					6
32		4				4	7					7
31		5				5	10					10
30		4	1			5	7	1				8
29		5	1			6	3					3
28		6				6	7					7
27		6				6	9					9
26		60	1			61	63	1				64
25		29				29	17	1				18
24		10	2			12	2	1				3
23		12	2	1		15	9			1		10
22		14	3		1	17	8	2				10
21		15	1			16	15	2			1	18
20		15	1			16	9	2			1	12
19		14		3		17	15		2			17
18 AND LESS	5,007	4	1,027		322 20	6,350	5,028	5	1,030	321 21		6,405
TOTAL	5,223	19	1,031		322 25	6,670	5,229	17	1,032	322 24		6,624
LONG BEACH HARBOR, CALIF.												
50					INBOUND			3		OUTBOUND		3
50		1				1	1	2				3
49		1	3			4		1				1
48		1	19			19	2	13				15
47		1	11			12	1	6				7
46		1	2			3	1	3				4
45		1	2			3						1
44		1	6			7		1				2
43		1	10			10		6				6
42		1	10			11	1	5				6
41								2				2
40			3			3		1				1
39		1	4			5						
38			3			3		2				2
37		1				1	3	3				6
36		1	2			3	3					3
35		2	11			13	4	2				6
34		1	10			11	10	5				15
33		3	1			4	28	3				31
32		21	7			28	50	10				60
31		53	9			62	98	13				111
30		100	15			115	92	14				106
29		69	15			84	24	15				39
28		76	21			97	46	19				105
27		70	23			93	90	28				118
26		87	26			113	96	23				119
25		107	29			136	80	28				108
24		136	44			180	110	42				152
23		132	37			169	112	24				136
22		169	44			213	221	31				252
21		183	40			223	146	37				183
20		202	20			222	140	30				170
19		163	23			186	137	21				158
18		174	25			199	177	22				199
17		177	16	1		194	156	16				182
16		141	21			162	147	19				166
15		122	10			132	140	14		2		154
14		108	13			121	138	4				146
13		83	12	1		96	104	11	1		2	118
12		65	8		2 2	70	90	4			1	104
11		53	12	1	1 58	125	80	9	9	2 28		128
10		55	7	11	1 3	77	52	10	11			73
18 AND LESS	18,641	10	16,112		322 3,239	38,378	18,578	50	16,062	323 3,243		38,256
TOTAL	21,182	589	16,126		326 3,306	41,529	21,187	558	16,083	325 3,276		41,429
LOS ANGELES HARBOR, CALIF.												
51			1		INBOUND	1				OUTBOUND		1
50			2			2		2				3
49			3			3		1				1
48			1			1	1					1
47			1			1	2	1				3
46			1			1	2	1				3
45			1			1	1	1				2
44			3			3						
43			7			7	2	3				5
42			3			3	6	4				10
41		4	1			5	12	4				16
40		7	4			11	14	6				22
39		26	14			40	25	9				34
38		20	10			30	17	11				30
37		30	18			48	38	24				62
36		36	23			59	50	24				83
35		80	37			117	101	28				129
34		101	31			132	93	14				107
33		102	24			126	100	14				110
32		132	30			162	102	24				126

* EXCLUDES DOMESTIC FISHING CRAFT.

* EXCLUDES DOMESTIC FISHING CRAFT.

LOS ANGELES, CALIF., DISTRICT

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
DRAFT (FEET)												
LOS ANGELES HARBOR, CALIF.--(CONTINUED)				INBOUND					OUTBOUND			
31 - - - - -	121	43		1		165	101	16				117
30 - - - - -	129	36				164	122	19		1		142
29 - - - - -	141	31				172	162	16				178
28 - - - - -	139	34				173	149	29				178
27 - - - - -	255	49				304	225	25				250
26 - - - - -	159	22				181	160	19	1			180
25 - - - - -	156	25				181	166	22				170
24 - - - - -	201	13			9	223	174	21			4	199
23 - - - - -	105	9	1			115	115	12				127
22 AND LESS - - - - -	2,287	49	14,501	986	5,646	23,469	2,293	141	14,502	991	5,659	23,582
TOTAL - - - - -	4,230	526	14,502	987	5,656	25,901	4,226	498	14,503	992	5,660	25,879
PORT HUENEME, CALIF.				INBOUND					OUTBOUND			
56 - - - - -		1				1						
53 - - - - -		1				1						
51 - - - - -		1				1						
36 - - - - -							1					1
35 - - - - -	1					1						
34 - - - - -	1					1						
33 - - - - -	3					3	2					2
32 - - - - -	1					1	2					2
31 - - - - -	2					2	3					3
30 - - - - -	2					2	2					2
29 - - - - -	2					2	5					5
28 - - - - -	10					10	4					4
27 - - - - -	11					11	9					9
26 - - - - -	13					13	9					9
25 - - - - -	22					22	7					7
24 - - - - -	12					12	9					9
23 - - - - -	19					19	12					12
22 - - - - -	13					13	8					8
21 - - - - -	15					15	20					20
20 - - - - -	15					15	29					29
19 - - - - -	5					5	18		1			19
18 AND LESS - - - - -	1,924		21	11	1	1,957	1,924		21	7	1	1,953
TOTAL - - - - -	2,071	3	21	11	1	2,107	2,064		22	7	1	2,094
MISSION BAY, CALIF.				INBOUND					OUTBOUND			
TOTAL, 6 AND LESS - - - - -	189					189	191					191
MORRO BAY HARBOR, CALIF.				INBOUND					OUTBOUND			
TOTAL, 10 AND LESS - - - - -			1	1		2			1	1		2
NEWPORT BAY HARBOR, CALIF.				INBOUND					OUTBOUND			
TOTAL, 14 AND LESS - - - - -			40	35		75			39	35		74
REDONDO BEACH, CALIF.				INBOUND					OUTBOUND			
TOTAL, 6 AND LESS - - - - -	297		2			299	298		2			300
SANTA BARBARA HARBOR, CALIF.	NO VESSEL TRIPS REPORTED											
ELLWOOD, CALIF.				INBOUND					OUTBOUND			
TOTAL, 19 AND LESS - - - - -	19,973		12	274	63	20,322	20,046		12	1	70	20,129
* EXCLUDES DOMESTIC FISHING CRAFT.												

* EXCLUDES DOMESTIC FISHING CRAFT.

SACRAMENTO, CA, DISTRICT

103

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					TOTAL	DIRECTION					TOTAL
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
DRAFT (FEET)												
SACRAMENTO RIVER, CALIF.				UPBOUND					DOWNBOUND			
30 -	3	6				9	18	2	1	1		22
29 -	3					3	5					5
28 -	5					5	5					5
27 -	5					5	5					5
26 -	4		1	1		6	4					4
25 -	3			9		12	4	1				5
24 -	5					5	4	1				5
23 -	4					4	3					3
22 -	7					7	4	3				7
21 -	4					4	4					4
20 -	7		4	1		12	3		4			7
19 -	5	1				6	1					1
18 -	4		3			7			2			2
17 -	5					5	6					6
16 -			1			1						
15 -			1			1			1			1
14 -				2		2			2	36		38
13 -			1			1				3		3
12 -				3		3				13		13
11 -				12		12				36		36
10 -			4	6		10			4	20		24
9 -				3		3				28		28
8 -	1					1						
7 -	79		1			80	87		1			88
6 AND LESS -			12	177		189			12	75		87
TOTAL -	144	7	29	214		394	153	7	27	221		405
SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CALIF.				UPBOUND					DOWNBOUND			
30 -	3	6				9	18	2	1	1		22
29 -	1					1	7					7
28 -	5					5	5					5
27 -	3					3	7					7
26 -	3		1	1		5	5					5
25 -	2			9		11	5	1				6
24 -	5					5	4	1				5
23 -	4					4	3					3
22 -	7					7	4	1				7
21 -	4					4	4					4
20 -	7		4	1		12	3		4			7
19 -	5	1				6	1					1
18 -	4		3			7			2			2
17 -	1					1						
16 -			1			1						
15 -									2			2
14 -			1			1						
13 -				2		2						
12 -				1		1						
11 -				2		2						
10 -				1		1						
9 -												
8 -	1			2		3				9		9
7 -				2		2						
6 AND LESS -												
TOTAL -	55	7	10	15		87	66	7	9	10		92
SACRAMENTO, CALIF.				INBOUND					OUTBOUND			
30 -	3	6				9	18	2	1	1		22
29 -	1					1	7					7
28 -	5					5	5					5
27 -	3					3	7					7
26 -	3		1	1		5	5					5
25 -	2			9		11	5	1				6
24 -	5					5	4	1				5
23 -	4					4	3					3
22 -	7					7	4	3				7
21 -	4					4	4					4
20 -	7		4	1		12	3		4			7
19 -	5	1				6	1					1
18 -	4		3			7			2			2
17 -	5					5	3					3
16 -												
15 -			1			1						
14 -			1			1			1			1
13 -									2			2
12 -			1			1						
11 -				2		2						
10 -				1		1						
9 -												
8 -	1					1				1		1
7 -	66					66	67			9		67
6 AND LESS -				3		3						
TOTAL -	125	7	11	17		160	136	7	10	11		164
SAN JOAQUIN RIVER, CALIF.				UPBOUND					DOWNBOUND			
31 -	23	7				30	38	2				40
30 -	7	1				8	6					6
29 -	3					3	2	1				3
28 -	5	1				6	4	2				6
27 -	2	1				3	7	1				8
26 -	4					4	5					5
25 -	6	1				7	4	1				5
24 -	2	1				3	3	1				4
23 -	7					7	6	3				9
22 -	2	2				4	8	1		1		10
21 -	4					4	5	1				6

* EXCLUDES DOMESTIC FISHING CRAFT.

Waterborne Commerce of the United States, 1985

SACRAMENTO, CA, DISTRICT

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					TOTAL	DIRECTION					TOTAL
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER
SAN JOAQUIN RIVER, CALIF.--(CONTINUED)					UPBOUND					DOWNBOUND		
20 - - - - -	11	1				12	2	1				
19 - - - - -	8					8	5	1				
18 - - - - -	6					15	2				3	
17 - - - - -	5					6	6				1	
16 - - - - -	2					4					4	
15 - - - - -			4		7	11		1	7	94	1	
14 - - - - -			1			1			1		1	
13 - - - - -	1		1		2	4	1		1	1	1	
12 AND LESS - - - - -	52	2	150		427	642	53	1	144	340	13	
TOTAL - - - - -	150	17	156		436	762	157	17	153	436	23	
STOCKTON, CALIF.					INBOUND					OUTBOUND		
29 - - - - -	10	7				17	17	1				
28 - - - - -	3	1				4	3	1				
27 - - - - -	1	1				2	5					
26 - - - - -	2					2	4					
25 - - - - -	3					3	2	1				
24 - - - - -							2	1				
23 - - - - -	5					5	4	3				
22 - - - - -	2	1				3	4	1				
21 - - - - -	1					4	1					
20 - - - - -	5	1				6	5	1				
19 - - - - -	5					5	1					
18 AND LESS - - - - -	59		6		23	89	57	1	6	19	1	
TOTAL - - - - -	99	11	6		23	140	104	11	6	19	1	
MIDDLE RIVER, CALIF.					UPBOUND					DOWNBOUND		
TOTAL, 11 AND LESS - - - - -	2		32		76	110	2		32	64		
YOLO RIVER, CALIF.					NO VESSEL TRIPS REPORTED							
OLD RIVER, CALIF.					UPBOUND					DOWNBOUND		
TOTAL, 10 AND LESS - - - - -			13		26	39			13	24		
* EXCLUDES DOMESTIC FISHING CRAFT.												

* EXCLUDES DOMESTIC FISHING CRAFT.

SAN FRANCISCO, CA, DISTRICT

105

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY		DIRECTION					DIRECTION								
		SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL		
		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER			
DRAFT (FEET)															
SAN FRANCISCO BAY ENTRANCE, CALIF.		UNBOUND						DOWNBOUND							
51			4			4									
50			6			6									
47			1			1									
46			1			1									
45								1							1
44			18			18			2						2
43			20			20			7						7
42			3			3			3						3
41			4			4			5						5
40			11			11		1							1
39		2	7			9		25	9						34
38		9	12			21		8	5						13
37		15	16			31		20	25						45
36		17	34			51		35	17						48
35		33	24			57		21	16						51
34		51	43			94		21	28						49
33		75	43			118		44	24						72
32								116	45						161
31		148	40			188		146	43						189
30		210	62			272		170	57						227
29		216	42			258		216	62	1		1			280
28		203	40			243		179	33						212
27		226	47		1	274		226	41						267
26		272	46			318		242	46						288
25		259	46	1	1	307		217	49						266
24		248	39		9	286		225	58						243
23		218	49			273		193	41				10		244
22		159	30	1		190		160	35						196
21		109	18	31		158		162	36	32		7			237
20		80	15	12	12	119		93	23	11		42	6		175
19		108	20	30	4	163		89	25	30		14	1		159
18		70	15	4		89		44	19	3		3	1		110
18 AND LESS		234	91	332	327	90	1,074	274	69	332	291	79			1,045
TOTAL		2,954	851	411	354	97	4,667	2,968	837	410	348	97			4,670
SAN FRANCISCO HARBOR, CALIF.		INBOUND						OUTBOUND							
44															
42															
40			1			1			1						1
39		2				2									
38								1							1
37		1				1		1							1
36								1							1
35								1							1
34								2							2
33		1	2			3		4							4
32		5				5		7	1						8
31		2	2			4		7	1						8
30		16	2			18		12	2						14
29		26	2			28		18							18
28		39	2			41		31	4						35
27		67	3			70		63	3						66
26		74	6			80		66	6						72
25		71	4			75		72	6						78
24		69	4			73		64	3						69
23		55	4	1		60		46	6	1					53
22 AND LESS		20,663	18	4,010	689	167	25,347	20,495	17	4,010	688	164			25,374
TOTAL		20,891	50	4,011	689	167	25,808	20,891	51	4,011	688	166			25,807
REDWOOD CITY HARBOR, CALIF.		INBOUND						OUTBOUND							
27		2				2		2							2
26		1	1			2									
24			1			1									
23								1							1
22 AND LESS		6		291	272	11	580	3	1	292	272	10			578
TOTAL		9	2	291	272	11	585	6	1	292	272	10			581
OAKLAND HARBOR, CALIF.		INBOUND						OUTBOUND							
36		32				32									
35		62				62		45							85
34		49				49		37							37
33		61				61		107							107
32		114				114		124							124
31		198				198		135							135
30		187				187		187	1						188
29		159				159		143							143
28		157	3			160		157	1						158
27		153	3			156		150	2						152
26		134				134		134	1						135
25		119	1			120		129	1						130
24		88	1			89		88	1						89
23		51				51		52	1						53
22 AND LESS		178	2	4,896	287	275	5,630	204	1	4,897	284	274			5,666
TOTAL		1,742	10	4,896	287	275	7,210	1,710	9	4,897	284	274			7,178

* EXCLUDES DOMESTIC FISHING CRAFT.

Waterborne Commerce of the United States, 1985
SAN FRANCISCO, CA, DISTRICT

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	
RICHMOND HARBOR, CALIF.				INBOUND						OUTBOUND
48		6				6	1	2		3
43		2				2		1		1
42		2				2				
41		1				1				
40		1				1		3		3
39		1				1		1		1
38		7				7	2	15		17
37	2	14				16	1	17		18
36	1	18				19	1	6		7
35	3	12				15		7		7
34	1	25				26	4	5		9
33	3	8				11		9		9
32	10	12				22	3	7		10
31	2	13				15	7	11		18
30	2	11				13	4	17		21
29	3	13				16	4	13		17
28	10	11				21	8	15		23
27	15	13				28	3	17		20
26	13	16				29	14	13		27
25	12	9				21	16	15		31
24	26	8			1	33	14	10		27
23	14	7		3	12	36	21	12		33
22 AND LESS	95	80	2,659	229	652	3,715	106	94	2,659	3,741
TOTAL	210	290	2,659	232	665	4,056	209	290	2,659	4,063
SAN PABLO BAY AND MARE ISLAND STRAIT, CALIF.				INBOUND						OUTBOUND
45								2		2
44		1				1		5		5
43								2		2
42							1	5		6
40		1				1		4		5
39		6				6		11		17
38		15				15	3	18		21
37		36				36	25	10		35
36		16				20	3	27		30
35	4	24				25	5	14		23
34	1	31				41	5	35		40
33	10	24				43	13	32		45
32	19	33				41	21	46		67
31	8	28				44	15	45	1	62
30	16	31				45	11	27		38
29	30	31		1		62	16	30		46
28	28	36				64	30	21		51
27	37	34	1	1		73	27	27		54
26	38	31		5		74	33	35		72
25	37	32			6	75	26	31		63
24	39	19		3	5	66	39	15		57
23									2	1
22 AND LESS	267	171	1,698	653	516	3,305	275	155	1,698	3,304
TOTAL	548	601	1,699	663	527	4,036	549	601	1,699	4,039
CARQUINEZ STRAIT, CALIF.				INBOUND						OUTBOUND
45								2		2
44		4				4		4		8
43		1				1		1		1
42								1		1
40		1				1	1	4		5
39		2				2		5		7
38		8				8		10		18
37		7				7	3	12		15
36	6	15				21	19	4		23
35	7	15				22	3	14		21
34	4	22				26	5	15		29
33	7	23				30	5	13		38
32	21	21				42	13	26		55
31	7	22				29	21	34		47
30	14	20				34	15	30	1	55
29	13	24				37	11	15		26
28	28	26		1		55	16	10		35
27	28	16				44	30	15		45
26	37	23	1	1		62	27	17		44
25	37	14		9		60	33	29		62
24	37	17			2	56	26	27		57
23	39	10		1		52	39	14		55
22 AND LESS	218	136	1,497	505	546	2,902	236	113	1,497	2,911
TOTAL	503	427	1,498	517	550	3,495	503	427	1,498	3,500
SUISUN BAY CHANNEL, CAL.				INBOUND						OUTBOUND
36		1	1			2	9	6		15
35		3				3		10		10
34		2				2	2	4		6
33	1	2				3		4		7
32	5	2				7	11	7		18
31	5	11				16	21	17		34
30	12	6				18	10	18	1	26
29	4	1				5	4	5		13
28	10	3		1		14	0	5		14
27	5	3				8	14	4		19

* EXCLUDES DOMESTIC FISHING CRAFT.

TANKERS WITH EXTREME DRAFTS WERE LIGHTERED FROM ANCHORAGES IN SAN FRANCISCO BAY DEEPWATER AREA.

107

HARBOR OR WATERWAY	DIRECTION					TOTAL	DIRECTION					TOTAL
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	
SUISUN BAY CHANNEL, CAL.--(CONTINUED)					UPBOUND						DOWNBOUND	
24 - - - - -	8	2	1	1	12	9	1					10
25 - - - - -	9	4		9	22	10	2					12
24 - - - - -	7	5			12	7	2					9
23 - - - - -	11				11	9	3					12
22 - - - - -	11	2			13	10	4					15
21 - - - - -	8	1		2	11	9	2			1		22
20 - - - - -	18	3	6	2	30	5		6		1	1	14
19 - - - - -	13	4			17	6	1			1	1	9
18 AND LESS - - - - -	71	40	354	450	977	60	5	353	455	61		934
TOTAL - - - - -	213	95	362	465	63	1,198	213	47	360	470	63	1,293
SAN RAFAEL CREEK, CALIF.					UPBOUND						DOWNBOUND	
TOTAL, 9 AND LESS - - - - -	170					170	171					171
HUMBOLDT HARBOR AND BAY, CALIF.					INBOUND						OUTBOUND	
36 - - - - -							1					1
34 - - - - -						2						2
32 - - - - -	3				3	4						4
31 - - - - -	4				4	5						5
30 - - - - -	4				4	10						10
29 - - - - -	3	1			4	9						9
28 - - - - -	7	1			8	6	1					10
27 - - - - -	4	2			6	6	1					7
26 - - - - -	10	7			17	12	3					15
25 - - - - -	7	2			9	13	3					16
24 - - - - -	9	1			10	2	4					6
23 - - - - -	7				7	5	1					6
22 - - - - -	13				13	4						4
21 - - - - -	7			25	32	4						6
20 - - - - -	5			6	11	2				1		3
19 - - - - -	7			1	8					1	2	2
18 AND LESS - - - - -	9	1	1,290	16	41	1,357	4	1,290	47	39		1,380
TOTAL - - - - -	99	15	1,290	48	41	1,493	98	15	1,290	49	41	1,493
BERKELEY, CALIF.					INBOUND						OUTBOUND	
TOTAL, 8 AND LESS - - - - -	750		2			752	750		1			751
BODEGA BAY, CALIF.					INBOUND						OUTBOUND	
TOTAL, 12 AND LESS - - - - -			11			11			14			14
CRESCENT CITY HARBOR, CALIF.					INBOUND						OUTBOUND	
TOTAL, 8 AND LESS - - - - -		2				2			1			1
HALF MOON BAY, CALIF.					INBOUND						OUTBOUND	
TOTAL, 12 AND LESS - - - - -		2				2			2			2
MONTEREY HARBOR, CALIF.					INBOUND						OUTBOUND	
TOTAL, 7 AND LESS - - - - -	1		1			2			1			1
NOSS LANDING HARBOR, CALIF.					NO VESSEL TRIPS REPORTED							
NAPA RIVER, CALIF.					UPBOUND						DOWNBOUND	
TOTAL, 12 AND LESS - - - - -			10		50	60			10			61
NOYO RIVER, CALIF.					NO VESSEL TRIPS REPORTED							
Petaluma River, CALIF.					UPBOUND						DOWNBOUND	
TOTAL, 10 AND LESS - - - - -												

PACIFIC OCEAN DIVISION

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
HILO HARBOR, HAWAII, HAWAII												
33 -	1			INBOUND		1	1		OUTBOUND		1	
30 -						1	1				1	
29 -	2					2	1				1	
28 -	2					2	1				1	
27 -							1	1			2	
26 -							1		1		1	
25 -							2				2	
24 -	1					1	3				3	
23 -							1				1	
22 -				15		15				15	15	
21 -	1	1				2	1			3	4	
20 -	1					1	1			1	2	
19 -				1		1	1				1	
18 AND LESS -	55		274	331	62	722	53		273	320	62	700
TOTAL -	64	1	274	347	62	748	68	1	273	339	62	743
KAWAIIHAE HARBOR, HAWAII, HAWAII												
35 -				INBOUND			4		OUTBOUND		4	
34 -							1				1	
32 -	1					1						
31 -	1					1						
30 -							2				2	
29 -	2					2	1				1	
25 -	2					2	2					
24 -							1				1	
23 -	1					1						
22 -	1			5		6						
21 -										1	1	
18 AND LESS -	1		142	282	6	431	4		141	285	5	435
TOTAL -	9		142	287	6	444	13		141	286	5	445
KAMULUI HARBOR, MAUI, HAWAII												
33 -				INBOUND			3		OUTBOUND		3	
32 -	2					2	3	1			4	
31 -	3					3	2				2	
30 -	2					2	1				1	
29 -	1					1	3				3	
28 -	3					3	4	1			5	
27 -	5					5	2	2			4	
26 -		1				1	1	1			2	
25 -	3	4				7	8		3		7	
24 -	3			1		4	2				2	
23 -	1					1	2				2	
22 -	3			63		66	1			57	58	
21 -							3				3	
20 -	1					1	2				2	
19 -	1					1	5				5	
18 AND LESS -	30		388	499	71	948	13		385	499	70	967
TOTAL -	58	5	388	563	71	1,045	51	5	388	556	70	1,070
BARBERS POINT HARBOR, OAHU, HAWAII												
53 -		3		INBOUND		3			OUTBOUND			
51 -		1				1						
50 -		1				1						
49 -		3				3		1			1	
47 -		3				3						
46 -		2				2						
45 -		6				6						
44 -		10				10						
43 -	1	13				14		1			1	
42 -		6				6						
41 -		3				3		2			2	
40 -		4				4		1			1	
39 -								7			7	
38 -		1				1						
37 -		1				1		4			4	
36 -		4				4		3			3	
35 -		4				4		2			2	
34 -		1				1						
33 -								3			3	
32 -		1				1		1			1	
31 -		1				1	1	21			22	
30 -								10			10	
29 -		2				2		3			3	
28 -		2				2		2			2	
27 -								5			5	
26 -		1				1		5			5	
25 -		2				2		2			2	
24 -		1				1		6			6	
23 -		1				1		1			1	
22 -		1				1						
18 -							1				1	
16 -					2	2						
15 -			18			18			18		2	
14 -		1	7			8		2	6		8	
13 -					1	1						
12 AND LESS -	1		212	35	42	290	1	2	212	34	43	292
TOTAL -	2	70	237	35	45	348	3	84	236	34	45	402

* EXCLUDES DOMESTIC FISHING CRAFT.

109

HARBOR OR WATERWAY				DIRECTION			DIRECTION					
DRAFT (FEET)	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
HONOLULU HARBOR, OAHU, HAWAII												
37 -	5	6	1	INBOUND		12	4		OUTBOUND		4	
36 -	0	4				4	2				2	
35 -	16	3				19	11	1			12	
34 -	18	2				20	7				7	
33 -	83	1				84	19				19	
32 -	38	2				40	21				21	
31 -	60					60	35	3			38	
30 -	38	1				39	88	1			89	
29 -	36	2				40	32	1			33	
28 -	133	1				134	132	3			135	
27 -	16	3				19	34				34	
26 -	18					18	46	4			50	
25 -	20	1	7			28	46	4			50	
24 -	21	1		1		23	29	2			20	
23 -	16			1		17	20				20	
22 -	13			77		90	13	1	83		97	
21 -	9	2		2		13	12	2	1		15	
20 -	16	1	10			27	9	1	16		26	
19 -	16	1	2	1		20	16	3	3		22	
18 AND LESS -	3,000	3	1,723	1,928	345	7,803	3,014	3	1,707	1,929	345	
TOTAL -	4,472	34	1,743	2,010	345	8,604	4,090	26	1,728	2,016	345	
HAMILIHI HARBOR, KAUAI, HAWAII												
37 -				INBOUND					OUTBOUND			
36 -							1				1	
35 -							1				1	
34 -							3				3	
33 -							1				1	
32 -							2				2	
31 -							1				1	
30 -	1					1	1				1	
29 -							2				2	
28 -							1				1	
26 -	1					1		3			3	
24 -	1					1					1	
21 -	2					2					2	
20 -				1		1					1	
19 -				1		1					1	
18 AND LESS -	20		211	407	32	670	22		210	405	31	
TOTAL -	25		211	409	32	677	34		213	406	31	
HANA HARBOR, MAUI, HAWAII												
				NO VESSEL TRIPS REPORTED								
KAILUA HARBOR, OAHU, HAWAII												
				NO VESSEL TRIPS REPORTED								
KALAPAPA HARBOR, MOLOKAI, HAWAII												
TOTAL, 14 AND LESS -			1	INBOUND		4			OUTBOUND		4	
KAUNAKAKAI HARBOR, MOLOKAI, HAWAII												
TOTAL, 22 AND LESS -			293	INBOUND		386	8		OUTBOUND		393	
PORT ALLEN HARBOR, KAUAI, HAWAII</												

* EXCLUDES DOMESTIC FISHING CRAFT.

Waterborne Commerce of the United States, 1985
WALLA WALLA, WA, DISTRICT

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
COLUMBIA RIVER AND TRIBUTARIES ABOVE McNARY LOCK AND DAM TO KENNEWICK, WASH.												
14 - - - - -				UPBOUND						DOWNBOUND		
13 - - - - -				63	62	125				63	59	119
12 - - - - -				4	112	116				105	112	217
12 AND LESS - - - - -	38		1,466	1,105	590	3,109	38		1,466	1,005	590	3,105
TOTAL - - - - -	38		1,466	1,172	764	3,440	38		1,466	1,173	764	3,441
SNAKE RIVER, OREG., WASH., AND IDAHO												
14 - - - - -				UPBOUND						DOWNBOUND		
13 - - - - -	44			15	3	62	44			44	38	171
12 - - - - -				5	17	76				111	92	203
11 - - - - -			185	54	92	335			185	257	200	691
10 - - - - -			597	5		602			597	40	15	652
9 - - - - -			179	33	1	213			179	84	1	268
8 - - - - -			26	124	69	223			26	83	14	123
7 - - - - -			128	46	24	258			128	135	2	265
6 - - - - -	25		30	11	5	71	25		50	12	1	64
5 - - - - -	19		2	7	2	30	19		2	241		260
4 - - - - -	2		246			248			246	3		251
3 - - - - -			22			22			21			21
2 - - - - -				509	14	523				15		15
1 - - - - -				256	249	505				41	59	100
1 AND LESS - - - - -				1		1				1		1
TOTAL - - - - -	90		1,415	1,114	470	3,089	90		1,412	1,115	471	3,088

PORTLAND, OR, DISTRICT

111

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
COLUMBIA RIVER ENTRANCE, OREG. AND WASH.												
40				UPBOUND						DOWNBOUND		
39	1					1	16					16
38	34	5				39	51					51
37	31					31	34	2				36
36	39	2				41	39	2				41
35	54	5				59	54	2				56
34	67	7				74	67	5				72
33	46	9				55	46	1				47
32	26	9				35	117	4				121
31	45	17				62	45	3	1	1		50
30	42	11				53	125	8				133
29	74	12				86	74	4				78
28	74	13				87	75	8				83
27	114	10				124	118	11				129
26	83	7				90	84	10				94
25	107	16		6		123	107	14		6		127
24	129	4			4	133	125	14			1	139
23	114	7				121	114	17				131
22	110	3	1	1	1	124	83	4	1			88
21	117	2		5	3	127	46	5			1	52
20	93	1	31	27		152	93	7	31	5		136
19	75	11	3	1	1	91	15	61	9	1		86
18 AND LESS	9,171	4	266	122	76	9,639	9,075	33	298	136	82	9,624
TOTAL	10,654	155	301	162	85	11,357	10,594	215	340	140	83	11,342
COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY												
40				UPBOUND						DOWNBOUND		
39	6	5	3			14	130	2	3			135
38	11					11	59					50
37	6	2				8	71	2				73
36	21	4				25	87	4				91
35	24	6				30	110	6				116
34	25	10				35	67	1				68
33	26	9				35	120	4				124
32	21	12				33	70	12	1	1		84
31	42	9				51	127	9				136
30	81	12				93	70	4				74
29	74	13				87	76	8				84
28	114	10				124	94	11				105
27	100	8				108	85	10				95
26	133	15		6		154	82	14		4		102
25	129	4			3	136	85	15			2	102
24	141	12				153	86	12				98
23	147	3	1	1	1	153	65	4	1			70
22	117	2		13	2	134	46	5		13	1	65
21	143	1	42	16		202	44	7	45	14		112
20	135	11	3	1	1	151	15	1	9	1		26
19	96	18	1	1	32	147	32	4	18	14	32	100
18	34	2	6	1		43	5	5	6	1		17
17	17	20	1	5		43	10	4	17	14	5	54
16	6	2	108	14	4	224	5	4	198	56	4	269
15	1	79	18	67		145	2	1	73	143	67	286
14	4	108	64	229		405	3	1	72	176	211	462
13	2	434	142	279		657	2	2	467	437	279	1,186
12	1	2,223	14	23		2,245	1		2,202	142	46	2,391
11	13	6	2,508	176	348	3,051	1		2,508	476	50	3,015
10	271	2,535	522	211		3,260	1	6	2,535	597	213	3,351
9	14,271	2,545	548	49		17,453	4,361		2,545	843	44	7,837
8	77	3,261	1,059	6		4,383	74		3,261	1,066	5	4,430
7	4,361	2,027	212	5		6,605	9,245		2,027	212	5	11,489
6	9,245	1,896	92	1		11,234	14		1,896	92	1	2,003
5	4,380	216	374	25		4,995	4,380		234	185	35	4,834
4	13	30	816	213		1,081	12		44	245	415	716
3		8	1,433	348		1,789	14,271	1	8	747	451	15,477
2		37				476	436		11	14		464
1	439											
TOTAL	34,456	158	18,170	5,545	1,492	60,221	34,441	158	18,181	5,526	1,492	60,198
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.												
40				UPBOUND						DOWNBOUND		
39	1					1	16					16
38	5	3				8	63	1				52
37	11	1				12	50	1				51
36	6	3				9	71	2				73
35	21	4				25	87	4				91
34	24	6				30	110	6				116
33	25	10				35	67	1				68
32	26	11				37	120	5				125
31	21	22				43	70	5	1	1		77
30	42	9				51	127	9				136
29	81	12				93	70	4				98
28	74	13				87	76	8				84
27	114	10				124	94	11				109
26	100	8				108	85	10				99
25	133	16		6		155	82	14				96
24	129	5			4	134	85	11		6	1	103
23	141	6				147	86	11				97
22	147	3	1	1	1	153	65	4	1			70

* EXCLUDES DOMESTIC FISHING CRAFT.

PORTLAND, OR, DISTRICT

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			TOTAL
DRAFT (FEET)	PASSENGER AND CARRY	TANKER	TOWBOAT OR JETBOAT	DRY CARGO	TANKER		PASSENGER AND CARRY	TANKER	TOWBOAT OR JETBOAT	
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.--(CONTINUED)										
21 - - - - -	117	2		27	3	149	46	5		51
20 - - - - -	143	3	44	25		215	44	7	45	103
19 - - - - -	135	12	5	2	1	155	15	1	10	26
18 AND LESS - - - - -	19,604	6	22,424	6,464	2,010	50,508	19,516	33	22,423	50,497
TOTAL - - - - -	21,100	162	22,440	6,525	2,019	52,286	21,098	162	22,440	52,281
PORT OF ASTORIA, OREG.										
3A - - - - -	2					2	8	10		27
37 - - - - -							3			3
36 - - - - -							6			6
35 - - - - -	5					5	5			5
34 - - - - -	5					5	5			5
33 - - - - -	5					5	5			5
32 - - - - -	5					5	5			5
31 - - - - -	3					3	1			1
30 - - - - -	7	1				8	5			5
29 - - - - -	0					0	7			7
28 - - - - -	2	1				3	2			2
27 - - - - -	3					3	2			2
26 - - - - -	11	1				12	6	2		9
25 - - - - -	13					13	13			13
24 - - - - -	15					15	15			15
23 - - - - -	20					20	20	1		21
22 - - - - -	23		1			24	23		1	24
21 - - - - -	24			1		25	24			19
20 - - - - -	26		19	10		55	24		17	45
19 - - - - -	15		1			16	15		3	18
18 AND LESS - - - - -	52		1,721	80	235	2,088	44		1,720	2,079
TOTAL - - - - -	254	3	1,742	91	235	2,325	249	22	1,741	2,538
PORTS OTHER THAN PORTLAND, ASTORIA, ST. HELENS, LONGVIEW, VANCOUVER AND KALAMA										
TOTAL, 18 AND LESS - - - - -	110		3,345	1,235	51	4,741	110		3,342	4,737
PORT OF LONGVIEW, WASH.										
3A - - - - -	1					1	47			47
37 - - - - -	4					4	30			30
36 - - - - -	2					2	29			29
35 - - - - -	10					10	34			34
34 - - - - -	2					2	19			19
33 - - - - -	9					9	14			14
32 - - - - -	9					9	9			9
31 - - - - -	9					9	9			9
30 - - - - -	12					12	12			12
29 - - - - -	12					12	12			12
28 - - - - -	11					11	16			16
27 - - - - -	17					17	11			11
26 - - - - -	14					14	14			14
25 - - - - -	21					21	4	1		5
24 - - - - -	9	1			1	11	0			9
23 - - - - -	18					18	12			12
22 - - - - -	30					30	2			2
21 - - - - -	30					30	2			2
20 - - - - -	40					40	2			2
19 - - - - -	13			1	1	14	12		1	13
18 - - - - -	16		3	1	7	27	1		7	11
17 - - - - -	5		3			8	2			2
16 - - - - -	5		4		1	10	2			3
15 - - - - -	4		16	3		12	8		2	13
14 - - - - -	2		13	17	24	51	18		1	17
13 - - - - -	13		17	17	24	51	6		2	10
12 AND LESS - - - - -	104		2,900	852	134	3,990	104		2,910	4,067
TOTAL - - - - -	405	1	2,908	906	168	4,428	405	1	2,946	4,424
PORT OF KALAMA, WASH.										
40 - - - - -	5					5	5			5
39 - - - - -	15					15	14			16
38 - - - - -	6					6	6	1		7
37 - - - - -	1					1	1			1
36 - - - - -	2					2	2			2
35 - - - - -	2	1				3	3			3
34 - - - - -	3					3	4			4
33 - - - - -							1			1
32 - - - - -	2					2	2			2
31 - - - - -							1			1
30 - - - - -							2			2
29 - - - - -							5			5
28 - - - - -		1				1	1			1
27 - - - - -							1	1		2
26 - - - - -		1				1				1
25 - - - - -	2	1				3		1		1
24 - - - - -								1		1
23 - - - - -	3					3				
22 - - - - -	2					2				

* EXCLUDES DOMESTIC FISHING CRAFT.

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
PORT OF KALAMA, WASH.-(CONTINUED)												
21 -	2					2						
20 -		1				1						
19 -	2	2				4						
18 AND LESS -	16		485	72	29	602	14	3	485	70	28	600
TOTAL -	63	7	485	72	29	654	64	7	485	70	28	654
MULTNOMAH CHANNEL, OREG.												
45 -												
13 -												
12 -												
11 -												
10 -												
9 -												
8 -												
7 -												
6 -												
5 -												
4 -												
3 -												
2 -												
1 -												
TOTAL -	28					31	24			334	4	338
OREGON SLOUGH (NORTH PORTLAND HARBOR), OREG.												
38 -												
33 -												
32 -												
31 -												
30 -												
29 -												
28 -												
27 -												
26 -												
25 -												
24 -												
23 -												
20 -												
19 -												
18 -												
17 -												
15 -												
14 -												
13 -												
12 -												
11 -												
10 -												
9 -												
8 -												
7 -												
6 -												
5 -												
4 -												
3 -												
2 -												
TOTAL -	23		1,373	736	36	2,168	23		1,373	730	36	2,171
PORT OF VANCOUVER, WASH.												
33 -												
32 -												
31 -												
30 -												
29 -												
28 -												
27 -												
26 -												
25 -												
24 -												
23 -												
22 -												
21 -												
20 -												
19 -												
18 AND LESS -												
TOTAL -	450	4	2,923	269	679	4,734	454	4	2,918	257	687	4,720
COLUMBIA RIVER BETWEEN VANCOUVER, WASH., AND THE DALLES, OREG.												
16 -												
15 -												
14 -												
13 -												
12 -												
11 -												
10 -												
9 -												
TOTAL -	521			213	184	918	459			242	11	712

• EXCLUDES DOMESTIC FISHING CRAFT.

PORTLAND, OR, DISTRICT

TRIPS AND DRAFTS OF VESSELS.

HARBOR OR WATERWAY		DIRECTION					DIRECTION					
DRAFT (FEET)	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
COLUMBIA RIVER BETWEEN VANCOUVER, WASH., AND THE DALLES, OREG.--(CONTINUED)												
8 - - - - -	489		542	389	38	1,458			432	389	6	827
7 - - - - -	50		1,699	242	1	1,992	50		1,699	1,024	2	2,775
6 AND LESS - - - - -	916		673	1,799	127	3,415	1,305		839	483	73	2,700
TOTAL - - - - -	1,355		4,399	2,911	675	9,340	1,355		4,399	1,023	675	9,452
COLUMBIA RIVER ABOVE THE DALLES DAM, WASH., AND OREG. TO McNARY LOCK AND DAM, OREG. AND WASH.												
15 - - - - -				45	67	112				36		36
14 - - - - -				93	125	218				45	67	112
13 - - - - -				76	149	341			174	450	355	979
12 - - - - -			156	31	14	429			344	32	14	430
11 - - - - -			62	18	3	83			70	102	1	263
10 - - - - -			47	129	169	345			47	46	7	140
9 - - - - -			140	150	30	320			140	262	6	408
8 - - - - -	25		52	3	1	81	25		26	3	2	56
7 - - - - -			6	4	7	17			6	4		10
6 - - - - -			4	3		7			2	3		5
5 - - - - -			2			2			3			3
4 - - - - -			1	301	19	321			1	14	19	34
3 - - - - -				391	47	478				22	77	99
2 - - - - -												
TOTAL - - - - -	25		854	1,244	671	2,794	25		453	1,246	673	2,797
PORT OF PORTLAND, OREG.												
39 - - - - -							9		1			10
38 - - - - -	1	5				6	10		1			11
37 - - - - -	9	2				11	15					15
36 - - - - -	17	5				22	17					17
35 - - - - -	24	5				29	24		3			27
34 - - - - -	45	6				52	46		4			50
33 - - - - -	13	8				21	36		2			38
32 - - - - -	17	11				28	69		4			73
31 - - - - -	11	20				31	44		5	1		55
30 - - - - -	29	7				36	93		4			101
29 - - - - -	59	11				70	34		3			37
28 - - - - -	65	10				75	52		9			61
27 - - - - -	73	10				83	61		14			75
26 - - - - -	54	6				60	61		12			73
25 - - - - -	65	14		7		80	57		13			70
24 - - - - -	76	4			3	83	69		10	5	1	85
23 - - - - -	66	5				71	62		11			73
22 - - - - -	62	3		1	1	67	48		4			52
21 - - - - -	34	2		20	3	59	25		5	5		35
20 - - - - -	43		17	23		85	27		7	6		60
19 - - - - -	64	9	4	2		79	11		2	3		16
18 AND LESS - - - - -	413	5	14,351	4,454	1,319	21,142	570	31	14,368	4,490	1,325	21,144
TOTAL - - - - -	1,444	150	14,372	4,907	1,326	22,199	1,444	149	14,372	4,907	1,326	22,198
WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OREG.												
11 - - - - -			4	10		14			12			24
10 - - - - -			177	137		314			177	1,505		1,682
9 - - - - -			111	550		661			111	320		431
8 - - - - -			1,332	209		1,541			1,332	391		1,723
7 - - - - -			431	169		600			437	783		1,220
6 - - - - -	109		454	129		602	109		444	129		682
5 - - - - -			522	70		592			522	7		529
4 - - - - -			694	593		1,287			694	212		906
3 - - - - -			30	506	1	537			30	149		219
2 - - - - -			13	1,505		1,538			33	404		441
1 - - - - -				67		67				4		4
TOTAL - - - - -	109		3,792	3,965	1	7,867	109		3,792	3,965		7,866
COOS BAY, OREG.												
37 - - - - -							2					2
36 - - - - -							12					12
35 - - - - -							30					30
34 - - - - -	3					3	27					27
33 - - - - -	3					3	61					61
32 - - - - -	7					7	47					47
31 - - - - -	4	2				6	40		1			41
30 - - - - -	14	1				15	17					17
29 - - - - -	17	1				18	5					5
28 - - - - -	20	2				22	4		1			7
27 - - - - -	12	2				14	4		3			11
26 - - - - -	17	2				19	4		3			11
25 - - - - -	27	3				30	4		5			9
24 - - - - -	17		2			19			1			1
23 - - - - -	24					24	3		1			4
22 - - - - -	32					32	1					1
21 - - - - -	22			4		26	6					6
20 - - - - -	23			1		24	2					2
19 - - - - -	14					14				70		70
18 - - - - -	3		3			6						1
* EXCLUDES DOMESTIC FISHING CRAFT.												

* EXCLUDES DOMESTIC FISHING CRAFT.

115

HARBOR OR WATERWAY	DIRECTION					TOTAL	DIRECTION					TOTAL
	SELF-PROPELLED VESSELS			NON-SELF-PROPELLED VESSELS			SELF-PROPELLED VESSELS			NON-SELF-PROPELLED VESSELS		
DRAFT (FEET)	PASSENGER AND LIGHT CARGO	TANKER	STEAMBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND LIGHT CARGO	TANKER	STEAMBOAT OR TUGBOAT	DRY CARGO	TANKER	
COOS BAY, OREG.--(CONTINUED)												
17 - - - - -	1					1						1
16 - - - - -	1		7			8		5		1		6
15 - - - - -			11			11		11				11
14 - - - - -			22	2		24		20	1			21
13 - - - - -			3			3		5	5			10
12 AND LESS - - - - -	1		2,783	284	15	3,043	1	2,791	171	14		2,977
TOTAL - - - - -	262	15	2,829	251	15	3,372	260	15	2,833	253	15	3,376
COOS AND MILLICOMA RIVERS, OREG.												
6 - - - - -			37			37		36				36
7 - - - - -			250			250		250				250
8 - - - - -			293			293		293				293
9 - - - - -			365			365		365				365
4 - - - - -			221			221		221				221
3 - - - - -			5			5		5				5
TOTAL - - - - -			1,171			1,171		1,170				1,170
ALSEA BAY AND RIVER, OREG.												
			NO VESSEL TRIPS REPORTED									
CHETCO RIVER, OREG.												
TOTAL, 13 AND LESS - - - - -			7			13		7				13
CHINOOK CHANNEL, WASH.												
TOTAL, 10 AND LESS - - - - -	3,020		38	74		3,134	3,020	38				3,133
CLATSOP RIVER, OREG.												
TOTAL, 6 AND LESS - - - - -			4	1		5		4				5
COLUMBIA RIVER AT BAKER'S BAY, WASH.												
TOTAL, 17 AND LESS - - - - -	7,501		6	30		7,537	7,501	6				7,537
COLUMBIA SLOUGH, OREG.												
			NO VESSEL TRIPS REPORTED									
COSQUILLE RIVER, OREG.												
TOTAL, 13 AND LESS - - - - -			1	1		2		1				2
COQUITZ RIVER, WASH.												
TOTAL, 5 AND LESS - - - - -	364		26	15		405	364	26				409
DEEP RIVER, WASH.												
TOTAL, 4 AND LESS - - - - -			73	4		77		75				79
DEPUE BAY, OREG.												
			NO VESSEL TRIPS REPORTED									
ELKHORN SLOUGH, WASH.												
TOTAL, 4 AND LESS - - - - -			43			43		43				43
GRAYS RIVER, WASH.												
			NO VESSEL TRIPS REPORTED									
LAKE RIVER, WASH.												
TOTAL, 6 AND LESS - - - - -	392					392	392					392
LEWIS RIVER, WASH.												
TOTAL, 7 AND LESS - - - - -	61		118	16		195	61	117				194
PORT OF ST. HELENS, OREG.												
TOTAL, 15 AND LESS - - - - -	3		74	24	4	105	3	73			5	104
PORT ORFORD, OREG.												
			NO VESSEL TRIPS REPORTED									
ROGUE RIVER, OREG.												
TOTAL, 3 AND LESS - - - - -	1,465											

TRIPS AND DRAFTS OF VESSELS.

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER	
SKIPANON CHANNEL, OREG. TOTAL, 12 AND LESS - - - - -			279	157	ROUND	436			212	ROUND	263	415
SMITH RIVER, OREG. TOTAL, 6 AND LESS - - - - -			19	7	ROUND	26			19	ROUND	7	26
TILLAMOOK BAY AND BAY, OREG.			NO VESSEL TRIPS REPORTED									
UMPUJA RIVER, OREG. TOTAL, 16 AND LESS - - - - -			197	191	ROUND	389			194	ROUND	195	390
WESTPORT SLOUGH, OREG. TOTAL, 4 AND LESS - - - - -	4,380		3		ROUND	4,383	4,380		3	ROUND		4,383
YAOQUINA BAY AND HARBOR, OREG. TOTAL, 33 AND LESS - - - - -	23		11	11	ROUND	45	22		13	ROUND	11	46
YAOQUINA RIVER, OREG. TOTAL, 14 AND LESS - - - - -			8	5	ROUND	13			9	ROUND	5	14
YOUNGS BAY AND YOUNGS RIVER, OREG. TOTAL, 10 AND LESS - - - - -			145	4	ROUND	149			145	ROUND	4	149
* EXCLUDES DOMESTIC FISHING CRAFT.												

SEATTLE, WA, DISTRICT

117

TRIPS AND DRAFTS OF VESSELS.

HARBOR OR WATERWAY				DIRECTION			DIRECTION									
DRAFT (FEET)				SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	
				PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		
GRAYS HARBOR AND CHEHALIS RIVER, WASH.							INBOUND						OUTBOUND			
35										101					101	
34										48					48	
33				1					1	11					11	
32				1					1	4	1				5	
31				1					1	4					4	
30				4					4	6					6	
29				5					5	4	1				5	
28				2					2	1					1	
27				2					2	1					1	
26				3					3	1					1	
25				10					10							
24				10					10	1					1	
23				13					13	2					2	
22				43					43							
21				41					41	2					2	
20				22			2		24	1			3		4	
19				15					15							
18				10		1			11	1		1			2	
17				128					128	123			1		124	
16				2		2			4			1			1	
15				1		1			2							
14						3			3				3		6	
13				1		1		212	214			3	3		217	
12 AND LESS				10,127	1	1,554		531	3	12,216	9,127	1,542	530	2	11,201	
TOTAL				10,442	1	1,562		745	3	12,753	9,442	2	1,550	751	2	11,747
PORT ANGELES HARBOR, WASH.							INBOUND						OUTBOUND			
30				7	4			1	12	75	4				79	
29				3					3	4					4	
28				3					3	4					4	
27				5					5	4					4	
26				4	1				5	4	1				5	
25				4					4	1					1	
24				5	2				7	2	2				4	
23				10					10	10					10	
22				10	2				12	10					10	
21				14	2				16	14	1				15	
20				20		2			22	1		6			7	
19				15					15	3					3	
18 AND LESS				5,041	13	3,594		295	295	10,138	5,010	13	3,589	300	294	10,106
TOTAL				6,041	24	3,596		296	295	10,252	6,042	21	3,595	300	294	10,252
PORT TOWNSEND HARBOR, WASH.							INBOUND						OUTBOUND			
TOTAL, 22 AND LESS				7,343	3	1,132		621	75	9,174	7,343	2	1,132	621	75	9,173
PORT GAMBLE HARBOR, WASH.							INBOUND						OUTBOUND			
16						3			3			3		3	7	
15						15			15			14		1	15	
14						36			36			36		3	39	
13						75			75			80		1	81	
12 AND LESS						480	287	8	775			476	281	5	762	
TOTAL						609	287	8	904			609	287	8	904	
HAMMERSLEY INLET, WASH.							INBOUND						OUTBOUND			
12						2			2							
10						49			49				160	1	161	
9						44			44				1		35	
8						283	17		4,320			283	53		336	
7						6			6			12	17		29	
6 AND LESS						3	170	1	174	4,020		9	5		4,034	
TOTAL				4,020		338	236	1	4,595	4,020		338	236	1	4,595	
OLYMPIA HARBOR, WASH.							INBOUND						OUTBOUND			
30				2					2	29					29	
29										3					3	
27				2					2							
26				3					3	1					1	
25				1					1	2					2	
24				2					2							
23				4					4	2					2	
22				2					2							
21				6					6	1					1	
20				12					12	1					1	
19				3					3	1					1	
18 AND LESS				1,385		627	30	19	2,061	1,383		626	27	21	2,057	
TOTAL				1,424		627	30	19	2,100	1,423		626	27	21	2,097	
TACOMA HARBOR, WASH.							INBOUND						OUTBOUND			
35				18	32		1	1	52	108	5		2	1	116	
34				17	1				18	36	3				39	
33				9	2				11	35	3				38	
32				23	2				25	43	6				49	

* EXCLUDES DOMESTIC FISHING CRAFT.

SEATTLE, WA, DISTRICT

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUG	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUG	DRY CARGO	TANKER	
TACOMA HARBOR, WASH.--(CONTINUED)												
				INBOUND						OUTBOUND		
31	12	3				15	34	4				42
30	31	4				35	28	3				31
29	46	5				51	26	6				32
28	61	10				71	121	6				127
27	115	21				136	38	10				48
26	97	16				113	50	9				59
25	110	6				116	49	16				65
24	76	12			1	89	64	15			2	81
23	59	6				65	59	7				66
22	35	4				42	44	2				56
21	49	2	1	1	1	54	46	1	1			48
20	45	3				48	36	1	2	1		42
19	22	2	1			25	11	1				12
18	14,001	2	3	2	15	14,023	13,991	1	1	18		14,011
17	3	4	3,500			3,507	9	13	3,495	1		3,518
16	9	4	8		1	21	2	9	3	1		15
15	2		284	36	34	356	2	1	289	20	48	360
14	3		201	3	17	304	2	2	316	3	81	404
13	1		626	50	13	680	1		622	52	81	736
12 AND LESS	5,449	23	7,511	1,275	1,197	15,855	5,445	40	7,480	1,270	1,074	15,769
TOTAL	20,695	164	12,215	1,368	1,280	35,722	20,692	159	12,215	1,351	1,287	35,704
SEATTLE HARBOR, WASH.												
				INBOUND						OUTBOUND		
35	31	5	7		1	44	31	4	7	3		45
34	17	1				18	40			1		41
33	28	5				33	52	1				53
32	50	3				53	49	5				49
31	67	3				70	45	4				53
30	85	3			1	89	82	4		1		87
29	82	5				87	84	3				87
28	107	13				120	82	5				87
27	160	4				164	104	9				117
26	181	11				192	127	11				138
25	102	4			1	111	80	11		3		94
24	76	10				86	72	11				83
23	54	9				63	71	7				78
22	36	3				39	44	2				46
21	24	6				30	24	1	2			27
20	14	1	36	3		44	44	2	40			86
19	13	1	29		1	44	25	10				35
18 AND LESS	90,711	81	14,459	3,840	2,014	101,105	80,743	93	14,472	3,840	2,017	101,205
TOTAL	91,434	176	14,531	3,845	2,016	102,406	81,838	177	14,531	3,845	2,020	102,411
LAKE WASHINGTON SHIP CANAL, WASH.												
				INBOUND						OUTBOUND		
23							1					1
22 AND LESS	417	58	2,431	856	125	4,287	415	57	2,427	856	123	4,278
TOTAL	417	58	2,431	856	125	4,287	416	57	2,427	856	123	4,279
EVERETT HARBOR AND SKIDMOUTH RIVER, WASH.												
				INBOUND						OUTBOUND		
34	9					9	19					19
33							14					14
32							9					9
31	1					1						
30	2					2	18					18
29	1					1	14					14
28	1					1	5					5
27	2					2	5					5
26	2					2	7					7
25	3					3			1			1
24	3					3	2					2
23	12		1			13	7					7
22	5					5	4					4
21	10					10	1					1
20	12					12	4	1				1
19	9					9	1					1
18 AND LESS	5,340	1	4,417	430	164	10,352	5,302		4,417	431	166	10,316
TOTAL	5,415	1	4,418	431	164	10,429	5,419	1	4,418	431	166	10,435
SKIDMOUTH CHANNEL, WASH.												
				NORTHBOUND						SOUTHBOUND		
12			17			17			15			15
11			129			129			129			129
10			8			8			9	1		10
9			1		1	2			1	1		2
8	7,870		17			7,887	4		20			24
7	2		1			3	2		1			3
6 AND LESS			466	1		467	7,966		466			8,332
TOTAL	7,872		659	2		8,533	7,872		661	2		8,535
ANACORTES HARBOR, WASH.												
				INBOUND						OUTBOUND		
30	1	133				134	16	100	1	1		118
29		5				5		10				10
28		9				9		5				5
27	1	6				7	1	10				11

* EXCLUDES DOMESTIC FISHING CRAFT.

119

HARBOR OR WATERWAY	DIRECTION					DIRECTION							
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER
ANACORTES HARBOR, WASH.--(CONTINUED)						INBOUND						OUTBOUND	
26 - - - - -	2	4				6	2	6				8	
25 - - - - -		5				5	1	5				6	
24 - - - - -	2	7				9		9				11	
23 - - - - -	2	7				9		9				9	
22 - - - - -		3				3		1				1	
21 - - - - -	1	1			1	3	1	2				3	
20 - - - - -		1				1		1	2			3	
19 - - - - -	2	1				3	1	2				1	
18 AND LESS - - - - -	32,403	26	1,989		36	253	35,107	32,795	48	1,985		34	249
TOTAL - - - - -	32,814	208	1,989		37	253	35,301	32,817	208	1,988		34	253
BELLINGHAM BAY AND HARBOR, WASH.						INBOUND						OUTBOUND	
30 - - - - -	3	6				9	10	10				20	
29 - - - - -	3					3	3					3	
28 - - - - -	2	1				3	6					6	
27 - - - - -	2	1				2	5	1				6	
26 - - - - -	5	1				6	7	2				9	
25 - - - - -	5					5	3	1				4	
24 - - - - -	2	1				3	3	1				4	
23 - - - - -	2					2	4	1				5	
22 - - - - -	10					10	3	2				5	
21 - - - - -	2					2	1	1				2	
20 - - - - -	4					4	3	1				4	
19 - - - - -	5	1				6	2					2	
18 AND LESS - - - - -	27,503	11	1,913		269	155	29,911	27,547	4	1,905		286	136
TOTAL - - - - -	27,608	22	1,913		269	155	29,967	27,597	24	1,905		286	136
BLAINE HARBOR, WASH.						INBOUND						OUTBOUND	
TOTAL, 12 AND LESS - - - - -	17,576			3			17,579	17,576		3		1	
COLUMBIA RIVER BETWEEN HEWACHEE AND KETTLE FALLS, WASH.						UPBOUND						DOWNBOUND	
TOTAL, 7 AND LESS - - - - -	12,815			3			12,819	12,815		3		1	
FLATHEAD LAKE, MONT.						NO VESSEL TRIPS REPORTED							
HOQUIAM RIVER, WASH.						UPBOUND						DOWNBOUND	
TOTAL, 15 AND LESS - - - - -	3,737		795		1	3	4,536	3,737		796		2	3
KOOTENAI RIVER, IDAHO AND MONT.						NO VESSEL TRIPS REPORTED							
NEAH BAY, WASH.						INBOUND						OUTBOUND	
TOTAL, 8 AND LESS - - - - -	12,277			1			12,279	12,277		1		1	
QUILLAYUTE RIVER, WASH.						UPBOUND						DOWNBOUND	

• EXCLUDES DOMESTIC FISHING CRAFT.

ALASKA DISTRICT

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY				DIRECTION			DIRECTION					
DRAFT (FEET)	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
KETCHIKAN HARBOR, ALASKA												
30 -	8	6		INBOUND			14	30	2	OUTBOUND		
29 -	2	2					4	4				2
28 -	31						31	35	2			37
27 -	22			1			23	36		1		37
26 -	34						34	36				36
25 -	15						15	11				11
24 -	24						24	22				22
23 -	30						30	27				27
22 -	19						19	19				19
21 -	19		1	1			12	5		1	1	7
20 -	24		19	2			44	26		14	4	34
19 -	19		2	2			23	25	2	2	1	30
18 -	39		3	1			43	16	5	3	2	26
17 -	5		4	1			10	5		47	1	53
16 -	8		14				22	5		16		21
15 -	12		16	7			35	7		12	3	24
14 -	14		72	7	2		85	16		94	2	112
13 -	3		128	46	11		148	5		128	23	157
12 AND LESS -	24,785	6	491	414	283		25,699	24,765		485	457	25,698
TOTAL -	25,105	14	799	482	296		26,696	25,096	15	402	497	26,701
KRANGELL HARBOR, ALASKA												
33 -	1			INBOUND			1	4		OUTBOUND		
32 -								4				4
31 -	1						1	3				3
30 -	1						1	1				1
29 -								1				1
28 -	4						4	4				4
27 -	1						1					
26 -	15						15	16				16
25 -								1				1
24 -	2						2					
23 -	3						3					
22 -	11						11	10				10
21 -	1						1					
20 -	1						1					
19 -	1		3				4	2		3		5
18 -	1		1				2			1		1
17 -	2		17	13			32			13	9	22
16 -			71	5			76			62	7	69
15 -			56	17			73			54	16	71
14 -								1				1
13 -								62		328	203	654
12 AND LESS -	54		312	206	64		644	62		328	203	654
TOTAL -	102		460	241	64		871	109		461	235	870
KRANGELL NARROWS, ALASKA												
19 -		1		INBOUND			1	1		OUTBOUND		
18 -		6		7			13			3		3
17 -		1	11				12	2		4		6
16 -			4				4			4		4
15 -			10	17			27			11	5	16
14 -	2		115	5	2		124			116	7	123
13 -	9		77	24	9		119	2		85	19	106
12 AND LESS -	103		394	242	206		969	104	7	401	281	1,017
TOTAL -	114	8	615	315	217		1,249	113	7	621	315	1,276
SITKA HARBOR, ALASKA												
29 -	11			INBOUND			11	14		OUTBOUND		
28 -	35						35	34				34
27 -	12						12	12		1		13
26 -	19						19	14				14
25 -	13						13	15				15
24 -	22						22	22				22
23 -	1						1					
22 -	17						17	17				17
21 -	4						4	6				6
20 -	3						3					
19 -	4			9			13	2		5		7
18 -			7				7	2		3		6
17 -				5			5	2		1		3
16 -				6			6					
15 -	1		10	2			13			13	4	19
14 -	2		40	2	3		47	2		44	5	51
13 -	2		74	12	4		88			69	10	79
12 AND LESS -	264		194	120	83		669	271		195	130	649
TOTAL -	414		325	162	94		995	421		324	159	907
BERGIUS AND WHITESTONE NARROWS, ALASKA												
27 -				NORTHBOUND			1			SOUTHBOUND		
18 -				1			1					1
17 -				4			4					4
16 -			2				2			7		7
15 -										1		1
14 -										6		6
13 -			7	1			8			35	1	12
12 -			41				41	1		1	2	19
11 -			62	8			70			67	10	45
10 -			24	2			26			24	2	44
9 -			25		1		26			21		27
8 -	1		9	3	6		19	1		19	4	27
* EXCLUDES DOMESTIC FISHING CRAFT.												

* EXCLUDES DOMESTIC FISHING CRAFT.

ALASKA DISTRICT

121

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS	
DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR LOGBOAT	DRY CARGO	TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR LOGBOAT	DRY CARGO	TANKER
SERGIOUS AND WHITESTONE NARROWS, ALASKA--(CONTINUED)										
				NORTHBOUND					SOUTHBOUND	
9	4		61	3	12	5		69	1	4
8	12		28	2	11	47		40	4	5
7	1				13	1			1	0
6	1			1	6					4
5					4					1
4	27			10	22	2			18	23
3				16	1				25	
2				52	13	19			1	12
TOTAL	46		259	111	40	76		268	134	95
JUNEAU HARBOR, ALASKA										
				INBOUND					OUTBOUND	
29						1				1
28	7					9				9
27	24					24				24
26	55					55				55
25	22					22				22
24	16					16				16
23	32					32				32
22	20					20				20
21	1					1				1
20	8					8				7
19	19	1				20				18
18	12	11				23				16
17	1	1				2				5
16	1					7				4
15				3		12			2	13
14				4		73			1	72
13				6	1	40			1	42
12				2	8	15			5	4
11				5	0	46			2	2
10	2			9	2	22			6	13
9				37	4	48			1	48
8	18			15	3	99			5	2
7	4			29		36			5	4
6				4	2	6			12	2
5				2	1	3			27	2
4				18	23	41			21	22
3				32	1	33			12	1
2				6	17	23			5	27
TOTAL	242	13	272	142	71	740	240	13	272	742
GASTINEAU CHANNEL, ALASKA										
				INBOUND					OUTBOUND	
29						1				1
28	7					9				9
27	24					24				24
26	55					55				55
25	22					22				22
24	16					16				16
23	32					32				32
22	20					20				20
21	1					1				1
20	8					8				7
19	19	1				20				18
18	12	11				23				16
17	1	1				2				5
16	1					7				4
15				3		12			2	13
14				4		73			1	72
13				6	1	40			1	42
12				2	8	15			5	4
11				5	0	46			2	2
10	2			9	2	22			6	13
9				37	4	48			1	48
8	18			15	3	102			5	2
7	4			29		36			5	4
6				4	2	6			12	2
5				2	1	3			26	2
4				17	23	40			21	22
3				33	1	34			12	1
2				6	17	24			5	27
TOTAL	242	13	244	143	71	753	240	13	260	724
VALDEZ HARBOR, ALASKA										
				INBOUND					OUTBOUND	
73										4
72										27
71		10								15
70		10								10
69		7								5
68										6
67										3
66										10
65										12
64										2
63										4
62										46
61										63
60										23
59										
58										

* EXCLUDES DOMESTIC FISHING CRAFT.

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY				DIRECTION			DIRECTION								
DRAFT (FEET)				SELF PROPELLED VESSELS			TOTAL	SELF PROPELLED VESSELS			TOTAL				
				PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT					
VALDEZ HARBOR, ALASKA--(CONTINUED)				INBOUND				OUTBOUND							
57															
56				4			4		46		46				
55				5			5		35		35				
54				14			18		46		46				
53				3			3		44		44				
52									34		34				
51									31		31				
50				10			10		39		39				
49									4		4				
48									10		10				
47				1			1		16		16				
46									5		5				
45									4		4				
44				1			1		11		11				
43				41			41		48		48				
42				24			24		36		36				
41				4			4		41		41				
40				22			22		52		52				
39				24			26		53		53				
38				13			13		16		16				
37				11			11		23		23				
36				14			18		24		24				
35				22			23		10		10				
34				19			19		11		11				
33				13			13		2		2				
32				26			24		2		2				
31				37			34		2		2				
30				45			46	1	4		5				
29				55			54		4		4				
28				44			44	1	1		1				
27				44			43	9	2		11				
26				41			42	11	1		12				
25				34			31								
24				42			36	2			2				
23				4			43								
22				4			7								
21				2			3	2			2				
20				1			1	1	1		2				
19				19	10		30	1	2	10	13				
18				7	1		9	1	14		15				
17				16			18	3	15		18				
16				34	20	2	56	2	22	2	24				
15				10	26	2	38	1	24	2	33				
14				9	2	1	13				2				
13				6	1	1	8	2		10	12				
12 AND LESS				1	6	1	8	1	8	1	10				
TOTAL				118	69	17	275	118	1	19	215				
				155	916	94	69	10	1,240	155	917	97	72	10	1,251
SEWARD HARBOR, ALASKA				INBOUND				OUTBOUND							
37															
36				1			1	10						10	
35				2			2	1						1	
34				3			3								
33				4			4	3							
32				2			2	3							
31				4			4	2							
30				1			1								
29				3			3	1							
28				4			4	3							
27				4			4	2							
26				1			1								
25				3			3	1							
24				4			4	3							
23				4			4	2							
22				4			3	1							
21				4			4	3							
20				4			4	2							
19				1			1	3							
18				1			1	1							
17				2		19	21	5		11				1	
16				3			3	4		2				16	
15				1		8	10	1		6				6	
14				2		1	3	3		4				7	
13				1		3	4	1		5				6	
12				2		10	12	1		4				5	
11				6		27	33	1		7				35	
10				2		1	3	1		1				4	
9				1		1	2	1		1				4	
8				1			1	3						4	
7							1	1		1				1	
6						2	2	1		1				3	
5							1	1		1				1	
4						1	1							1	
3						5	5			1				1	
2						3	3			2				2	
TOTAL				50		50	45	4	153	51		44	41	9	145
ANCHORAGE, ALASKA				INBOUND				OUTBOUND							
35															
34				1			1								
33				1			1								
32				10	4		14								
31				25	20		45	1	1					2	
30				26	13		39	2						1	
29				22	1		23	19	12					2	
28				104	1		105	25	10					31	
27				14	1		15	87	8					35	
														95	
* EXCLUDES DOMESTIC FISHING CRAFT.															

* EXCLUDES DOMESTIC FISHING CRAFT.

123

HARBOR OR WATERWAY			DIRECTION			DIRECTION							
DRAFT (FEET)	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	
	PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER		
ANCHORAGE, ALASKA--(CONTINUED)													
26 -	2			INBOUND			2	20	5	OUTBOUND			25
25 -	6	3					9	52	3				55
24 -	4						4	1	1				2
23 -	2						2	4					4
22 -	4						4	5					5
21 -	3						3	1					1
20 -	3						5	6		3			9
19 -	13		1	1			16	10		7			11
18 -	7			2			17	9		1	1		17
17 -	2	1		1			12	2		10			12
16 -			11	20			31		1	13	13		27
15 -	87	1	39	11			136	94		49	6		145
14 -			47	10	1		58			54	10	1	65
13 -	16		9	6	1		32	17		9	3	1	30
12 AND LESS -	47		387	67	13		514	48	6	388	45	11	550
TOTAL -	400	49	512	119	15		1,095	404	47	534	118	13	1,116
JNALASKA BAY AND ISLAND, ALASKA													
30 -	17	1		INBOUND			18	17			OUTBOUND		17
29 -	1						1	1					1
27 -							1	1					1
25 -	1						1	1					1
24 -	2		1				3	1		1			2
23 -	1						1	1					1
22 -	4						4	4					4
21 -	5						5	6					6
20 -	17		2				19	15					15
19 -	19	1					20	24	1				25
18 -	56		5	3			64	51		5	3		59
17 -	42		16	2			60	45	1	14	2	1	63
16 -	52	1	25	3	5		85	49		23	3	2	75
15 -	58		7	3			68	59		9			71
14 -	45		26	2	1		74	45		24	2		71
13 -	36		25	4	7		72	41		22	2	5	70
12 -	53		10	3	4		70	36		7	4	4	51
11 -	14		5		2		21	26		6		3	35
10 -	32		5	1			38	18		9		4	31
9 -	16		3	3	1		23	21		3		2	26
8 -	7			2			9	8			1		9
7 -	1				2		3	3				1	4
6 -													

TRIPS AND DRAFTS OF VESSELS.

DRAFT OR WATERWAY	DIRECTION					DIRECTION				
	INBOUND		NON-SELF-PROPELLED VESSELS		TOTAL	OUTBOUND		NON-SELF-PROPELLED VESSELS		TOTAL
DRAFT FEET	PASSENGER AND FREIGHT	TANKER	COAST GUARD	TANKER		PASSENGER AND FREIGHT	TANKER	COAST GUARD	TANKER	
KAKE HARBOR, ALASKA TOTAL, 24 AND LESS	29		40	INBOUND 34	154	29		57	OUTBOUND 34	153
KING COVE LAGOON, ALASKA TOTAL, 18 AND LESS	65	4	22	INBOUND 17	109	64	4	14	OUTBOUND 16	98
KODIAK HARBOR, ALASKA TOTAL, 32 AND LESS	111	21	214	INBOUND 65	441	109	21	209	OUTBOUND 67	433
KETLANATLA HARBOR, ALASKA TOTAL, 21 AND LESS	11		71	INBOUND 129	250	10		68	OUTBOUND 129	251
KANNEK RIVER, ALASKA TOTAL, 16 AND LESS	24		72	INBOUND 37	155	25		54	OUTBOUND 36	133
KIVILCHIK HARBOR, ALASKA	NO VESSEL TRIPS REPORTED									
KOME, ALASKA TOTAL, 18 AND LESS	15		29	INBOUND 19	73	18		26	OUTBOUND 18	73
KUL HARBOR, ALASKA TOTAL, 15 AND LESS		2	4	INBOUND 9	17		2	5	OUTBOUND 4	13
PELICAN HARBOR, ALASKA TOTAL, 15 AND LESS	21		19	INBOUND 14	66	19		21	OUTBOUND 14	65
PETERSBURG HARBOR, ALASKA TOTAL, 19 AND LESS	40		222	INBOUND 136	444	37		220	OUTBOUND 135	441
PORT ALFONSO, ALASKA TOTAL, 10 AND LESS			6	INBOUND 3	9			4	OUTBOUND 5	9
SELNOVIA HARBOR, ALASKA TOTAL, 17 AND LESS		2	44	INBOUND 10	67		2	66	OUTBOUND 11	69
SKAGWAY HARBOR, ALASKA TOTAL, 34 AND LESS	465	1	55	INBOUND 14	548	468	1	64	OUTBOUND 14	542
STIKINE RIVER, ALASKA TOTAL, 15 AND LESS			17	INBOUND 16	33			17	OUTBOUND 16	33
CHATHAM STRAIT, ALASKA TOTAL, 33 AND LESS	145	1	346	UPBOUND 175	844	89	2	564	DOWNBOUND 265	1,059
CLARENCE STRAIT, ALASKA TOTAL, 30 AND LESS	221	7	515	UPBOUND 231	1,147	220	6	480	DOWNBOUND 233	1,140
FREDERICK SOUND, ALASKA TOTAL, 35 AND LESS	106	7	560	UPBOUND 256	1,119	108	9	546	DOWNBOUND 257	1,133
JOY STRAIT, ALASKA TOTAL, 36 AND LESS	414	6	216	UPBOUND 90	909	558	6	206	DOWNBOUND 107	975
LYNN CANAL, ALASKA TOTAL, 34 AND LESS	745	7	197	UPBOUND 117	1,149	744	6	247	DOWNBOUND 149	1,227
NIKISHKA, ALASKA TOTAL, 44 AND LESS	394	99	117	UPBOUND 35	734	397	91	110	DOWNBOUND 31	644
PERTIL STRAIT, ALASKA TOTAL, 27 AND LESS	55		315	UPBOUND 129	503	57		321	DOWNBOUND 123	591
REVILLAGIGANDO CHANNEL, ALASKA TOTAL, 35 AND LESS	745	8	294	UPBOUND 142	1,302	762	8	283	DOWNBOUND 142	1,300
STEPHENS PASSAGE, ALASKA TOTAL, 29 AND LESS	260	12	410	UPBOUND 240	1,036	249	14	201	DOWNBOUND 75	606
SUNNER STRAIT, ALASKA TOTAL, 35 AND LESS	248	4	735	UPBOUND 304	1,623	295	7	712	DOWNBOUND 403	1,674

* EXCLUDES DOMESTIC FISHING CRAFT.

125

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL
DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	STEAMBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	STEAMBOAT OR TUGBOAT	DRY CARGO	TANKER	
TONGASS NARROWS, ALASKA TOTAL, 15 AND LESS - - - - -	25,138	15	741	UPBOUND 490 305		26,689	25,135	14	726	DOWNBOUND 489 200		26,665
* EXCLUDES DOMESTIC FISHING CRAFT.												

* EXCLUDES DOMESTIC FISHING CRAFT.

A		Pages	H		Pages
Alsea Bay and River, Oreg.	58,	115	Half Moon Bay, Calif.	30,	107
Anacortes Harbor, Wash.	70,	118	Hammerley Inlet, Wash.	62,	117
Anchorage, Alaska	82,	122	Hana Harbor, Maui, Hawaii	38,	109
Astoria, Oreg., Port of	47,	112	Hilo Harbor, Hawaii	31,	108
			Homer, Alaska	86,	123
B			Honolulu Harbor, Oahu, Hawaii	34,	109
Barbers Point Harbor, Oahu, Hawaii	34,	108	Hoonah Harbor, Alaska	87,	123
Bellingham Bay and Harbor, Wash.	71,	119	Hoquiam River, Wash.	73,	119
Berkeley, Calif.	30,	107	Humboldt Harbor Alaska	87,	123
Bethel Harbor, Alaska	85,	123	Humboldt Harbor and Bay, Calif.	28,	107
Blaine Harbor, Wash.	73,	119			
Bodega Bay, Calif.	30,	107	I		
			Icy Strait, Alaska	92,	124
C			Introduction		VII
Carpinez Strait, Calif.	24,	106			
Chatham Strait Alaska	90,	124	J		
Chetco River, Oreg.	58,	115	Junau Harbor, Alaska	79,	121
Chinook Channel, Wash.	58,	115			
Clarence Strait Alaska	91,	124	K		
Clatskanie River, Oreg.	58,	115	Kahului Harbor, Maui, Hawaii	32,	108
Coeur d'Alene Lake and St. Joe River, Idaho	73,	119	Kailua Harbor, Oahu, Hawaii	38,	109
Columbia River Basin, Oreg., Wash., and			Kake Harbor, Alaska	87,	124
Idaho	41		Kalama, Wash., Port of	49,	112
Columbia and Lower Willamette Rivers below			Kalaupapa Harbor, Molokai, Hawaii	38,	109
Vancouver, Wash., and Portland, Oreg.	44,	111	Kaunakakai Harbor, Molokai, Hawaii	38,	109
Columbia River above the Dallas Dam, Wash.,			Kawihae Harbor, Hawaii, Hawaii	32,	108
and Oreg., to McNary Lock and Dam,			Ketchikan Harbor, Alaska	74,	120
Oreg., and Wash.	53,	114	King Cove, Alaska	87,	124
Columbia River and Tributaries above			Kodiak Harbor, Alaska	87,	124
McNary Lock and Dam to Kennewick,			Kootenai River, Idaho and Mont.	73,	119
Wash.	39,	110			
Columbia River at Bakers Bay, Wash.	58,	115	L		
Columbia River Basin, total waterborne			Lake River, Wash.	58,	115
commerce	41		Lake Washington Ship Canal, Wash.	67,	118
Columbia River between Vancouver, Wash.,			Leary River, Wash.	58,	115
and the Dalles, Oreg.	52,	113	Long Beach Harbor, Calif.	3,	101
Columbia River Entrance, Oreg., and			Longview, Wash., Port of	48,	112
Wash.	41,	111	Los Angeles Harbor, Calif.	5,	101
Columbia River Mouth to the International			Lynn Canal, Alaska	93,	124
Boundary (consolidated report)	41,	111			
Columbia River, Ports other than Portland,			M		
Astoria, St. Helens, Longview,			Metlakatla Harbor, Alaska	88,	124
Vancouver, and Kalama	47,	112	Middle River, Calif.	16,	104
Columbia River, between Mouth to Kettle Falls,			Mission Bay, Calif.	9,	102
Wash.	73,	119	Mokelumne River, Calif.	16,	104
Columbia Slough, Oreg.	58,	115	Montrose Harbor, Calif.	30,	107
Channel classification	IX		Morris Bay Harbor, Calif.	9,	102
Cosco and Willamette Rivers, Oreg.	57,	115	Moss Landing Harbor, Calif.	30,	107
Cross Bay, Oreg.	56,	114	Multnomah Channel, Oreg.	50,	113
Cuquille River, Oreg.	58,	114			
Cordova Harbor, Alaska	85,	123	N		
Cowlitz River, Wash.	58,	115	Naknek River, Alaska	88,	124
Craig Harbor, Alaska	85,	123	Napa River, Calif.	30,	107
Crescent City Harbor, Calif.	30,	107	Nawiliwili Harbor, Kauai, Hawaii	36,	109
			Neah Bay, Wash.	73,	119
D			Newport Bay Harbor, Calif.	9,	102
Deep River, Wash.	58,	115	Nimilichik Harbor, Alaska	89,	124
Deep Bay, Oreg.	58,	115	Nikishka, Alaska	93,	124
Bellingham Harbor, Alaska	85,	123	Nome Harbor, Alaska	89,	124
Douglas Harbor, Alaska	86,	123	Noyo River, Calif.	30,	107
Dry Pass, Alaska	86,	123			
			O		
E			Oakland Harbor, Calif.	20,	105
Egegik River, Alaska	86,	123	Old Harbor, Alaska	89,	124
Elfin Cove Harbor, Alaska	86,	124	Old River, Calif.	16,	104
Elkhart, Calif.	9,	102	Olympia Harbor, Wash.	63,	117
Elk River, Wash.	58,	115	Oregon Slough (North Portland		
Everett Harbor and Sammamish River, Wash.	69,	118	and Harbor), Oreg.	50,	113
F			P		
Flathead Lake, Mont.	71,	119	Pelican Harbor, Alaska	89,	124
Frederick Slough, Alaska	91,	124	Peril Strait Alaska	94,	124
			Petaluma River, Calif.	30,	107
G			Petersburg Harbor, Alaska	89,	124
Gastown Channel, Alaska	80,	121	Port Alexander, Alaska	90,	124
Gates Harbor and Chehalis River, Wash.	80,	117	Port Allen Harbor, Kauai, Hawaii	38,	109
Groes River, Wash.	58,	115			

P	Pages	S	Pages
Port Angeles Harbor, Wash.	60, 117	Snake River, Oreg., Wash., and Idaho	39, 110
Port Gamble Harbor, Wash.	62, 117	Stephens Passage, Alaska	95, 124
Port Mueneme, Calif.	7, 102	Stikine River, Alaska	90, 124
Portland, Oreg., Port of	54, 114	Stillaguamish River, Wash.	73, 119
Port Orford, Oreg.	58, 115	Stockton, Calif.	14, 104
Port Townsend Harbor, Wash.	61, 117	Suisun Bay Channel, Calif.	26, 106
Prince Wales IS. West Side, Alaska	99, 180	Suisun Channel, Calif.	30, 107
Puget Sound Area, Other Ports, Wash.	73, 119	Sumner Strait, Alaska	96, 124
		Swinomish Channel, Wash.	69, 118
Q		T	
Quillayute River, Wash.	73, 119	Tacoma Harbor, Wash.	63, 117
R		Tillamook Bay and Bar, Oreg.	59, 116
Redondo Beach, Calif.	9, 102	Tongass Narrows, Alaska	96, 125
Redwood City Harbor, Calif.	19, 105		
Revilleigado Channel, Alaska	94, 124	U	
Richmond Harbor, Calif.	22, 106	Umpqua River, Oreg.	59, 116
Rogue River, Oreg.	58, 115	Unalaska Bay & Island, Alaska	84, 123
S		V	
Sacramento, Calif.	12, 103	Valdez Harbor, Alaska	81, 121
Sacramento River, Calif.	10, 103	Vancouver, Wash., Port of	51, 113
Sacramento River Deepwater Ship Channel, Calif.	11, 103	Ventura, Calif.	9, 106
St. Helens, Oreg., Port of	58, 115		
San Diego Harbor, Calif.	3, 101	W	
San Francisco Bay and Delta Area, total		Wake Island Harbor, Wake Island	38, 109
Commerce of	17	Waterway connecting Port Townsend Bay and	
San Francisco Bay Area, Other Port, Calif.	30, 107	Oak Bay, Wash.	73, 119
San Francisco Bay Entrance, Calif.	17, 105	Wells Harbor, Midway Island	38, 109
San Francisco Harbor, Calif.	17, 105	Westport Slough, Oreg.	59, 116
San Joaquin River, Calif.	13, 103	Willamette River above Portland and	
San Pablo Bay and Mare Island Strait, Calif.	23, 106	Yamhill River, Oreg.	56, 114
San Rafael Creek, Calif.	28, 107	Willapa River and Harbor and Naselle	
Santa Barbara Harbor, Calif.	9, 102	River, Wash.	73, 119
Santa Cruz Harbor, Calif.	30, 107	Wrangell Harbor, Alaska	75, 120
Seattle Harbor, Wash.	65, 118	Wrangell Narrows, Alaska	76, 120
Seldovia Harbor, Alaska	90, 124		
Sergius and Whitestone Narrows, Alaska	78, 120	Y	
Seward Harbor, Alaska	82, 122	Yaquina Bay and Harbor, Oreg.	59, 116
Sitka Harbor, Alaska	77, 120	Yaquina River, Oreg.	59, 116
Siuslaw River, Oreg.	58, 115	Youngs Bay and Youngs River, Oreg.	59, 116
Skagit River, Wash.	73, 119		
Skagway Harbor, Alaska	90, 124		
Skamokawa Creek, Wash.	59, 115		
Skamokawa (Steamboat) Slough, Wash.	59, 115		
Skipanon Channel, Oreg.	59, 116		
Smith River, Oreg.	59, 116		

ATE
MED
8

SANMOKAWA CREEK, NASH.

NO VESSEL TRIPS REPORTED

• EXCLUDES DOMESTIC FISHING CRAFT.

